





JULY 16, 1949

THE HOUSE OF

BURGOYNE,

BURBIDGES



CHEMICALS & DRUGS GALENICALS
PACKED PHARMACEUTICALS
TABLETS & PILLS AMPOULES
TOILET PREPARATIONS ANÆSTHETICS

We are specialists in the large scale manufacture of

CHLORAL HYDRATE!



TARGRATORIES DRUG MILLS & GIL DISTULERIES

EAST HAM, LONDON, I

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8 EXPOSURE PER SPOOL

FOR THE SAME PRICE



SIZES

62, 20, 27

FREE ADVERTISING DISPLAY STANDS

Full descriptive literature on request

TRADE & EXPORT ENQUIRIES INVITED

Panda Roll Films are available from the

Leading Wholesale Chemists, or direct from

PANDA FILM CO. (WHOLESALE) LTD

12 LAINGS CORNER, MITCHAM, SURREY

TELEPHONE: MITCHAM 4739 & 0826.

CLEANING and STERILISING USED MEDICINE BOTTLES

With the reduction in allowance, it is worth cleaning, sterilising and re-using returned medicine bottles.

THE FOLLOWING METHOD IS EASY AND ECONOMICAL

- Clean bottles thoroughly with a hot detergent solution. Synthetic detergents are to be preferred to soaps as they do not yield insoluble precipitates with commonly used medicines. Use a brush and/or specific solvents for intractable deposits.
- Soak for at least two minutes—and preferably five to allow a safety margin—in a 1-in-50 solution of Milton. (Sterilisation is normally complete in less than one minute). No air bubbles should be present in the bottles, so that the solution comes into contact with the whole surface of the bottle.
- Drain bottles and rinse with hot sterile water. Drain and dry aseptically.

Milton Antiseptic Ltd.,

10/12 Brewery Road, London, N.7

HOW TO DISPLAY THIS . . .

all-the-year-round

seller!

WHENEVER and wherever the Beauty Brush is displayed, it sells! Its lovely appearance and sensible design instantly appeal to every woman who sees it. Try showing the Beauty Brush on your counter or in your window for one weeknow. If your experience is similar to that of other chemists who have tried this, the results will surprise you. The attractive two-colour display piece shown here occupies the minimum of counter-space with the maximum effect. It is supplied free with every order for six brushes.

THE NEW





Every Addis Beauty Brush is supplied in a hand pink-and-maroon presentation sleeve. You can re mend the Beauty Brush as an ideal gift for birth anniversaries, and many other occasions.

ADDIS BEAUTY BRUSHES ARE MADE ONLY BY ADDIS LTD. OF HERTFORD, ESTABLISHED IN

Make sure your stocks DO meet



DO meet your customers' requests

New show material is now available to help you to sell this attractive pack of Evans Health Salt.

Order your stock now and display on your counter.

WHOLESALE 9/3 per doz. plus $33\frac{1}{3}\%$ Purchase Tax. 6 doz. at 9/- per dozen, plus tax.

- EVANS

VANS MEDICAL SUPPLIES LTD

Speke, Liverpool 19 and Bartholomew Close, London, E.C.1.

Distributing Depots:
LIFAST, BIRMINGHAM, BRISTOL, LEEDS, MANCHESTER, SHEFFIELD AND
SWANSEA

Hes... RENDELL-FOAM

is Selling

Chemists who wisely ordered this new contraceptive, and use the attractive display material, are doing brisk business.



Rendell-Foam is worthy of your recommendation for the following reasons:—

- ★ The result of biological and clinical research, it sets a new standard in the technique of contraception and will be widely prescribed when conception control is necessary or desirable.
- ★ Completely spermicidal and remarkably rapid in action.
- ★ Non-irritant, has no objectionable odour, and is free from insoluble substances.
- ★ Will keep indefinitely and is not affected by climatic conditions.
- ★ The retail price, 2/6 per tube of twelve tablets, is an important public consideration.

OBTAINABLE FROM ALL WHOLESALERS P.A.T.A

Supplies of less than 6 dozen tubes ... 21/- per dozen net
Supplies of not less than 6 dozen tubes ... 20/- per dozen net
Supplies of not less than 12 dozen tubes ... 19/- per dozen net

W. J. RENDELL LTD 161/165 ROSEBERY AVENUE - LONDON - E.C.I

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HOLIDAYS • HOME • NURSERY

SOHAN CREATINE CALAMINE

oz. bottle

Sales prove the public's appreciation of ESöBAN, preferred by the medical profession for its soothing action.

Indicated for SUNBURN, CHAFING, ECZEMA, and other irritant skin conditions. Supported by advertising in the Women's Journals.

Order your Bonus Parcel NOW.

Cream of Calamine

331% DISCOUNT • THROUGH YOUR C. F. WHOLESALER

SPECIAL 1
BONUS 1
OFFER

13 to the dozen for orders of 3 dozen.

14 to the dozen for orders of 6 dozen and over.

FOR A TWO WEEKS' WINDOW DISPLAY.

OUTHON LABORATORIES LTD . UPPER RICHMOND ROAD . LONDON, S.W.15



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BOTTLES THAT MAKE PACKING EASY

DROP BOTTLES



Fig. 800 1/2 1 2 ozs. White 5/3 5/6 5/10 6/3 doz. Amber 5/9 6/- 6/4 doz. Amber 5/6 5/9 6/1 6/3 doz. (Ideal for Penicillin Eye Drops) Packed in divisioned boxes of 12 bottles.

Fig. 801 l oz. 6/4 doz. Packed in divisioned boxes of 12 bottles.

These are only two of the many useful and well

made bottles in regular and constant supply. Complete lists will gladly be sent on request to:

Actual Makers

M. J. FECHER LTD., 121 HIGH STREET, SLOUGH, BUCKS. Est 1891

DISPLAY sells

more—and

MORE!

Send for New display material

for

PHENSIC CASSELL'S VENO'S GERMOLENE GERMOLOIDS

These profitable family favourites sell more quickly over the ter when they are displayed for all to see. Seeing is buying! Showman-simplifies salesmanship! So please let us keep you right up-to-date with ay material. Write today for a full set. DIRECT terms for the VENO ucts are: Combined orders amounting to £3 and upwards from qualified nists will be subject to 10% for display co-operation in addition to our usual discount for monthly account.

NO DRUG CO. LTD. Chester Rd., MANCHESTER 16

PACKED SPECIALITIES

Pharmacists are invited to write for details of our wide range of packed specialities attractively presented and in everyday demand.

PRIVATE FORMULAS

The 'COX' organisation is always available for consultation on NEW products, and welcomes the opportunity to help with their production.

OUR EXTENSIVE PRODUCTION FACILITIES AND LONG EXPERIENCE ARE AT YOUR SERVICE

ARTHUR H. COX & CO. LTD. EST. 1839 BRIGHTON



HOSTE

FRUIT SQUAS Making a host of 1

RESTRICT EXCLUSIVE TO CHEMI

GOOD PROF

RETAIL PRICE - per by YOUR RETURN 33/YOUR BUYING PRICE 24/YOUR PROFIT - 8/(equals 33\frac{1}{3} on

ATTRACTIVE VA

And a quality you can con recommend. The smart pac a most attractive display. Popular flavours. Orange, Lemon and Orange, Pin Applym (a Lime flavoure juice cordial).

ORDER THROUGH YOUR
USUAL WHOLESALE CHE

CITRUS Products Co. Ltd. 87 Regent St. Lone

Radiostoleum

le vitamin A and D eparation 'par excellence'

Vitamin A used in Radiostoleum is preed by molecular distillation, a process ch ensures a high concentration and dom from objectionable flavour and

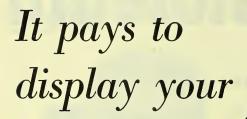


s worth remembering that Radiostoleum liquid capsules have for twenty years been the min A and D preparations 'par excellence'ly concentrated, highly purified and especially ptable to people who find large quantities n oily preparation to be unpalatable.

PRICES	Trade	Retail
LIQUID		
Bottle of	3/2	4/6
25 ml.		P.A.T.A.
CAPSULES		
Tin of 50	3/-	4/6

BRITISH DRUG HOUSES LTD. LONDON N.1

Rstm/T/1



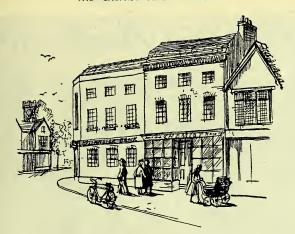
HALEX goods!

Let your window and your counter tell the Halex story. Show people that you stock the famous Rondated toothbrushes with the smoothly tipped nylon strands. Cash in on the fascinating look of the Halex Combing Brush with its flexible plastic quills. This unusual instrument is fast becoming a fashion as well as a favourite with women who take a pride in their hair.

Then there are the ever-popular pneumatic hairbrushes with their firm but springy nylon tufts, dainty baby sets, toilet sets, saw-cut combs and colourful fancy goods of every kind.



RONDATED is a registered trade name of Halex Limited.



When you have a 'family' business

... you are regarded by your public as something more than a chemist. From a bewildering range of proprietary names you are able to advise your customer which is the most suitable and reliable product to meet his personal need.

16, 1949

Many of the minor ailments encountered these days are due to Vitamin B_1 deficiency: anorexia, lassitude, "neuralgia" and similar conditions often respond to B_1 therapy.

There is a tendency, especially among housewives, to supplement rations with quantities of starchy food. Vitamin B₁ is essential for the full "utilisation" of carbohydrate, and lack of it may result in unhealthy obesity.

In such cases, when a palatable, liquid Vitamin B₁ preparation is indicated, you cannot do better than recommend 'Betaxan' Elixir. It is particularly suitable for slight deficiency of the vitamin in children.

'BETAXAN' ELIXIR

BRAND OF ANEURINE HYDROCHLORIDE

Trade Terms: Bottle of 8 oz. 3/-, Bottle of 80 oz. 24/- subject to $33\frac{1}{3}\%$ discount. Bonus of 13 to dozen for display.

FRICA HOUSE KINGSWAY LONDON W.C.2

THE Snowfire Bride AND You



carefully now. In cosmetics, they are looking for excellence at a reasonable price. The Snowfire bride paintings call attention to the very profitable to stock well and display.

As you know, women are buying much more | careful styling and fine quality of Snowfi preparations, making Snowfire sales toda especially easy and quick. You will find

SNOWFIRE Beauty Preparations

F. W. HAMPSHIRE & CO. LTD., DERBY



PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

Office & Works Mansfield Road Derby Telephone 4266 (4) ines) Branch Warehouse Grosvenor St. Ashton Lyne Telephone 2816 (2 lines)

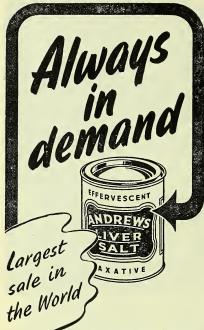
Back of the loaf is the snowy flour,
And back of the flour the mill

As surely as the mill needs a steady wind, so a sound business needs the essential force of good printing. Good printing reflects the character of your business and acts as an ambassador of goodwill wherever it is seen.

Be sure that your printing is always of the highest standard. Consult us when next you are planning brochures, show-cards, cartons, labels, etc. In over seventy years' experience we have learnt a great deal about good printing and we are pleased to place our wide knowledge at your service.

THOMAS WAIDE & SONS LTD KIRKSTALL HILL, LEEDS, 5

Print Specialists for over seventy years



Often when new lines appear, old favourites get pushed into the background. This is not the case with Andrews. After being on the market for over 50 years, Andrews is a best seller. Its steady demand goes on because

Its formula is ideal — and unique
It suits the popular taste

Packing and keeping qualities guaranteed

Newspaper and poster advertising covers the country

Stock up with

ANDREWS

Inner Cleanliness

CLANOID

FLAVOURED ESSENCE OF RENNET

RASPBERRY, STRAWBERRY, LEMON, ORANGE, VANILLA

I OUNCE BOTTLES sufficient for 8 pints of Junket RETAIL

2/3

PER BOTTLE

JUNKET TABLETS

Each Tablet Sufficient to Junket Quart of Milk

Packed in Boxes of 12 Tubes
Each Tube contains 16 Tablets
Retail Price 1/3 per tube

JUNKET POWDER

Packed in Boxes of 12 Tubes
Sufficient in each Tube to Junk
16 Quarts of Milk

Retail Price 1/3 per tube

SUPPLIES AVAILABLE

Armour Laboratorie

LINDSEY STREET · LONDON · E·(
Telephone - CLERKENWELL 9

Telegrams "ARMOSATA-PHONE," LONDO

extra ummer ales..

N'T MISS THEM!

FNESIA because it is best for her baby'sm. Its benefits are obtained gently andNothing habit - forming about

ust for DINNEFORD'S Pure Fluid

NEFORD'S.

ner reads the NATIONAL PRESS Adsements for DINNEFORD'S, sees the ting WINDOW DISPLAYS, uses the NEFORD'S Baby's Weight Card and alts DINNEFORD'S "Dictionary forers" — over a million in homes up flown the country. All this will help to ase your turnover!

off your DINNEFORD'S order to-It carries a very good profit margin. tlet stocks run low! Write in for further lies of the DINNEFORD'S Dictionand Weight Cards for counter distrin—they bring increased sales.

Dinneford's

MAGNESIA

All orders and enquiries to

J. C. ENO LTD., WATFORD, HERTS.

Mothers need

DINNEFORD'S for

Baby's HEAT RASHES

and PRICKLY HEAT. IT

COOLSTHE BLOOD and KEEPS

THE BOWELS GENTLY OPEN





ORIGINAL VIOLET OATMEAL SOAF

IT'S BACK!

NOW AVAILABLE FOR PERIODS 3. At last, you can meet the tremend :

and hitherto unsatisfied demandfors made with real oatmeal. Rimm Violet Oatmeal Soap is the only on its kind to be produced since the v Delicately perfumed with a Fren imported flower fragrance, Rimm Violet Oatmeal will be your m profitable soap line of the y SEND YOUR ORD TOGETHER WISP.'S TOD.

ORDET TREATED STRIC ROTATIO

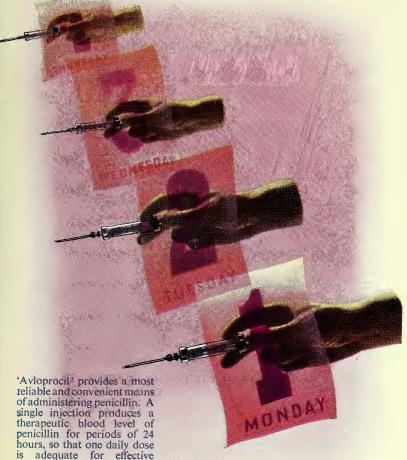
41°/₀ PROFIT TO RETAILER ON SELLING PRICE OF 1/4½ PER TABLE

TERMS TO RETAILER: 9/9 PER DOZEN LESS 2½%

TERMS TO WHOLESALER: LESS 2½% AND 12½%

RIMMEL DISTRIBUTORS LTD., 48 NORTH ROW, PARK LANE, LONDON,

PROLONGED HIGH PENICILLIN LEVELS



single injection produces a therapeutic blood level of penicillin for periods of 24 hours, so that one daily dose is adequate for effective treatment.

'Avloprocil' contains the Procaine salt of Crystalline Penicillin in sterile oily suspension (300,000 units per c.c.).

Issued in 10 c.c. vials. Single vials and boxes of 5.

'Avloprocil'

IMPERIAL CHEMICAL [PHARMACEUTICALS] LIMITED (A subsidiary company of Imperial Chemical Industries Ltd.)

MANCHESTER







For over 60 years Gibbs Superfatted Cold Cream Soap has been valued for its **skin beauty** care...

COLD CREAM SOAP

containing LIRIL

Now
with the addition
of LIRIL to this
beauty soap

Ostral GIBBS CREAM SOAP opens a new chapter in the care of SKIN SUPPLENESS

- Only Astral contains Liril*
- Backed by striking national advertising
- Attractive profit margins
- Elegantly wrapped
- Supplies ready to meet your demand

Liril is the proprietary name of a newly-perfected brand of ingredient blending 3 elements of special value to the skin.

Tell your Gibbs Cold Cream Soap customers abo this new development in their favourite toilet soa

D. & W. GIBBS LIMITED



and fill U.M.P.
them by the COLLAPSIBLE
TUBE FILLING
UNIT

This unit consists of Tube Filling Machine, Tube Closing Machine and Tube Crimping Machine. Please write for particulars and descriptive leaflet.

We are also moulders of PLASTICS to the Trade by injection and compression methods



UNIVERSAL METAL PRODUCTS LTD.

LONDON OFFICE: ARGYLE HOUSE. 29/31 EUSTON ROAD N.W.I

BILE BEANS The medically tes family laxative



C. E. Fulford products are "household names". They are in everyday demand, consistently well advertised, and carry handsome profits for the retailers. In addition, C. E. Fulford Ltd. offer you the extra advantage of Direct Display Parcel Terms. By regularly buying on these VERY PROFITABLE TERMS and agreeing to give periodical window displays you gain the maximum margin on every sale. Write now or ask our Representative for price list and attractive show-matter.

MINIMUM \ £3 value assorted products PARCELS \ £2 value any one product

PATA C. E. FULFORD LTD., CARLTON HILL, LEEDS, 2

Individually packed in cartons



The remarkable success of the "Cr way" Corn Plane is due to the principle involved. The angle of blade is the secret. This new

ZAMCONES SUPPOSITORI The latest treating for



DISPLAY CARD OF 18

15/4 per doz. plus

RETAIL 2/3 PRICE

15/4 per doz. plus Purchase Tax Usual discount to Wholesalers

CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Sur



In Stainless Steel-Nickel Plated and Chromium over Nick

Our order books are full for some time ahead, and immediate deliver cannot be promised. We shall, however, welcome your enquiries for forw: deliveries. (WHOLESALE ONLY SUPPLIE

Here's your chance to handle **HALO**, America's biggest

selling shampoo

HALO SHAMPOO ENTERS THE BRITISH MARKET WITH A RECORD HAT IS UNEQUALLED BY ANY OTHER IQUID, GREAM OR POWDER SHAMPOO

These are the facts:

- ★ In America more women ask for Halo than for any other shampoo
- ★ Biggest share of the 40 million dollar shampoo business in America is held by HALO

Exciting, outspoken advertisements in the opular press will introduce HALO to the omen of Britain. To tie up with this press divertising we are supplying you with tractive eye-catching showcards for your punters. Don't delay in letting your ustomers know you too are a HALO ockist. See our representative when he alls or write to us direct.



WOMEN WANT HALO BECAUSE

- Not a soap, not a cream HALO cannot leave dulling film.
- 2 HALO gives fragrant, soft water lather even in hardest water.
- 3 HALO leaves hair lustrously soft, easy to manage—with colourful natural highlights!

HALO Shampoo

Made by COLGATE-PALMOLIVE-PEET LTD.,

145 CHARING CROSS ROAD, LONDON, W.C.2

Announcing ... a Valet



The new Valet No. 96 set retails at the surprisingly low price of 5/- including purchase tax. Introduced in time for the Summer season this set at a real-value-for-money price is going to be a popular choice. Each set contains a Valet self-stropping razor, strop and two Valet blades complete in the new style display carton as illustrated. Six Valet sets are packed in a display outer which serves additionally as a display stand for your counter or window. Order in good time. Trade enquiries to your usual wholesaler.

Gillette Industries Ltd., Great West Road, Isleworth, Middlesex



For a good big share of the holiday trade

MACLEAN-K

HOLIDAY - PACK

Order now

ere's the ideal, handy pack for holiday travel, conning a tube of MACLEANS PEROXIDE TOOTH PASTE d a MACLEANS NYLON TOOTHBRUSH. Retail price per ACLEAN-KIT including purchase tax-2/8. Send in your der NOW. Don't miss a day of a holiday season that ll be very profitable to all stockists of the attractive ACLEAN-KIT.

Retail Price	Price per dozen			
(inc. tax)	Standard Wholesale	Direct Buyers	Purchase Tax	
2/8	18/10	16/6	$6/3\frac{1}{3}$	

ACLEANS LTD., GREAT WEST ROAD, BRENTFORD, MIDDX.



Phone; Ealing 6616. Wires: Macleans Brentford

It pays to display

THIS COLOURFUL SHOWCARD

Every week the demand for Jeypine grows bigger and bigger! Hardselling, full-scale national advertising is creating this demand for you. So let your customers know that you are a Jeypine stockist by displaying this striking three-colour showcard. Once your customers have used Jeypine in their homes, they will come back for more.

FREE ON REQUEST to Jeyes' Sanitary Compounds Co. Ltd., Millbrook, Chigwell, Essex, or by application to the Jeyes' representative when he calls.



TRANSPARENT BAGS

FLAT BOTTOM and GUSSET PLAIN and PRINTED Please send your enquiries to:

F. W. CROOKES & SONS LTD. Wharncliffe Works, Green Lane, Sheffield who have now installed the MOST MODERN MANUFAC-TURING PLANT for TRANSPARENT BAG MAKING

TEN MILLION NEWSPAPERS DAILY.

advertise "ORICOL" Instant Curl Capsules Order supplies from your wholesaler. Write for details free local advertising.

GLAMA OF MAYFAIR 17 Dover Street ' London ' W.I Telephone: Regent 0356 (3 lines)

Sole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 1.U., D400)
Leyland Mills, Wigan. London Dept. 19 Brookside Rd. N (1.U. PER FL. OZ.)



Malt Extract with added Natural Vitamir

SKIN & SCALP AFFECTIONS

MEDICATED SOAP SULPHAQUA

BATH CHARGES RHEUMATISM · GOUT · ETC

EXPORT ENQUIRIES INVITED

Both products may be recommended with confidence.

REPEAT SALES ASSURED

Immediate delivery through leading Wholesalers or direct from

CHARGES CO., ST. HELENS. LANCS. Est. 1895





SPECIAL ANNOUNCEMENT

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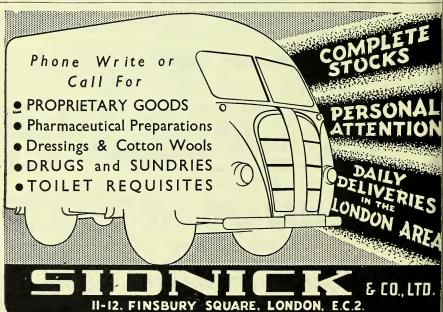
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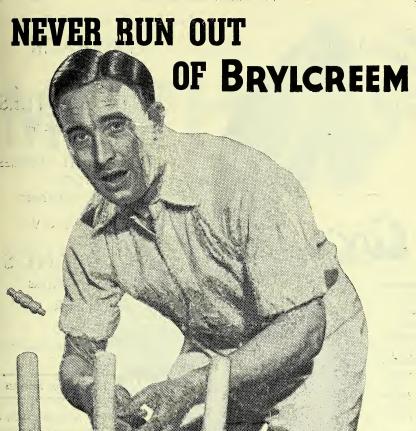
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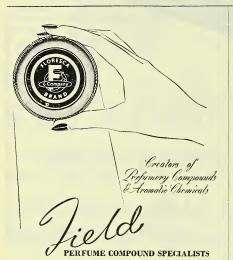
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JULY 16, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

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NEWS OF THE WEEK

educed Container Allowance.—The ced allowance for containers supplied themists under the National Health ce (see C. & D., May 28, p. 703) is to the from September 1.

atutory Committee Members.—The wing have been appointed members in Statutory Committee of the Pharutical Society for the next five it—Messrs. Walter Deacon, Paul on, W. S. Howells, A. A. Meldrum H. Clement Shaw.

hemicals Freed from Export Control. allic acid, pyrogallol, salicylic acid and im salicylate, barytes, phthalic acid s, urea and its salts are included in 300ds which no longer require export ces under a new Board of Trade or (S.I., 1949, No. 1298) operative July 18.

stail Trade in May.—Weekly sales by sale retail chemists in May were per cent, higher compared with a earlier. All areas recorded an ine in trade. Stocks, however, were 2.5

per cent. (at cost) lower at the end of the month compared with the end of May, 1948. The turnover of independent chemists fell by 5 per cent. compared with April, to the same figure as in May 1948.

Tax on Fitted Receptacles.—The Commissioners of Customs and Excise have decided that in future, where a fitted receptacle is sold complete with contained articles, tax is to be charged as follows:-(1) Where the contained articles are subsidiary to the receptacle, tax is chargeable under Group 23 on the total value of the receptacle and its contents (thus a suitcase or dressing case that has, in addition to space for clothing, etc., compartments or holders into which brushes, bottles, etc., have been fitted, is chargeable on the whole value of the case including the fitted articles). (2) Where a receptacle is a specialised container and its sole or main purpose is as a carrier for the fitted contents (e.g. a toilet case) the receptacle only is chargeable under Group 23 and its contents may be treated separately for tax purposes. Е

Chemists Federation.—At a meeting of the Chemists Federation Council in London on July 7, with the president (Mr. P. H. Smith) in the chair, it was learned with regret that Mr. W. W. Knott (Parke, Davis & Co.) was retiring from business and would therefore cease to represent his company on the Council. A report on contributions made to the publicity and propaganda fund stated that the Rotherham Branch of the National Pharmaceutical Union was the second to have passed its target. An application for manufacturer membership from Wilsons Chemical Products, Ltd. (Baume Dalet bunion dressing) was accepted. A number of advertisements of C. F. products obtained from a presscutting agency were inspected to ensure that they complied with the standards of the Federation. The resignation from manufacturer membership of the Brynn Ltd., Manufacturing Co., Ashton-in-Makerfield, was accepted.

England Visit. — Now on a visit to Britain, Mr. Irving Harris (who, with his brother, launched Toni home permanent wave kit on the American market five years ago, almost to the day) stated that English women had reached in six months



Mr. Irving Harris photographed in London with the first British Toni twins: The Misses Pamela and Diana Campbell.

the stage it had taken American women three years to attain. In the United States, two out of three women now had home "perms." First manufactured by Nona, Inc., a \$5,000 company, Toni was later acquired by the American Gillette concern for \$12 millions.

Exports to Dollar Countries.—The Dollar Exports Board was registered on July 4 as a company limited by guarantee without share capital, with a view to initiating and co-ordinating proposals and plant for new activities and for increasing

existing activities in the Canadian a United States markets and other do markets. First members of the Cour are Sir Graham Cunningham, K.H. (chairman); Sir Leonard C. Paton, C.B. M.C.; Mr. Charles B. Colston, C.B. M.C., D.C.M.; Sir Charles J. Haml K.B.E., M.C.; Mr. John McLean, C.B. Mr. H. V. Tewson, C.B.E., M.C.; Sir 1rick J. H. Hannon, M.P.; Mr. E. A. (penter, O.B.E., J.P.; Mr. James L. H. worth, M.C.; Sir Charles P. Lister; Sir Robert Sinclair, K.C.B., K.B.E. registered office is Thames House No Millbank London, S.W.I.

Centralised Buying for Hospitals The Minister of Health has decided on extension of central purchasing and c tracting of hospital supplies in the inter of economy and efficiency. Types of equ ment and stores now supplied by cen contracts are: x-ray sets, x-ray film paper, laboratory equipment and gl ware, Blood Transfusion Service equ ment, hearing aids and batteries, au meters, artificial eyes, streptomycin, oc pational therapy supplies, orthopædic pliances, artificial limbs, surgical bo etc., and spectacles. Considerable quaties of medical and surgical equipment all types have also been purchased fi war surplus stocks and are available issue to hospitals. Hospital authorities to be invited by the Ministry's Supp Division to provide from time to time ward estimates of their requirements the types of equipment and stores to purchased centrally. Deliveries are to made so far as possible direct from contractors to hospitals, and otherwise the Department's stores from which t can be issued to hospitals against ind The provisional programme anticip that estimates of requirements will be quired (inter alia) for theatre and w rubber goods. Subsequent purchasing I grammes are probably to include dru dressings, instruments, sutures, mometers, electro-therapeutic equipme anæsthetic apparatus, dental equipm and x-ray accessories. The Minister d not think it desirable that Regional H pital Boards should themselves undert any purchasing or contracting on bel of hospitals, but he hopes they will courage Hospital Management Committ to consider the economic advantages interim joint contracting by groups Hospital Management Committees.

LOCAL NEWS

Birmingham Pricing Office.—The adds of the Central Prescription Pricing reau is 244 Lozells Road, Villa Cross, mingham, 19, and not as previously ted by the Ministry of Health in its llocation scheme.

Rota Schemes Criticised. — Poplar ough council decided recently to make resentations to the Pharmaceutical iety, the Ministry of Health and the idon County Council that the out-of-irs dispensing service offered by local mists was inadequate to meet the needs the inhabitants.

staff Swimming Gala.—Vitamins, Ltd., don, held their third annual swimming in London recently. A competition the title "Miss Bemax 1949" was won Miss Grace Ronald of the company's ting department, who also received a mair ticket to Le Touquet. The evenconcluded with an address by Mr. H. H. Graves (chairman, Vitamins group ompanies).

wards to Edinburgh Students. — The wing awards have been made to stuss at the Heriot-Watt College, Edingh: Chemist and Druggist Qualifying mination course: Duncan memorial al and J. Rutherford Hill Conference, Miss Christina E. Shiels; J. Ruther-Hill Conference prizes, Messrs. David Scott and Robert Blyth. Intermediate macy course: Malpas memorial prize, Robert S. Anderson.

lambridge Annual Meeting.—At the a lal meeting of the Cambridge Branch the Pharmaceutical Society, recently, A. A. K. Hart in the chair, the secretary I. H. B. Coulson), who was relinquishing his secretaryship on being elected vice-timent of the local branch of the local branch of the onal Pharmaceutical Union, reved progress made by the Society's uch during his six years of office. During the war years, he said, meetings had a few, but in the past two years activity and the number of meetings had inseed, and the Cambridge Branch was of the most active in the country. It treasurer's report was presented by S. J. Hopkins. A request from the coil of the Society that the name of branch should be changed to "The Chridge, Huntingdon and District lach" was considered. It was stated the Huntingdonshire members were at-

tached to the branch at their own request and were cordially welcome, and it was agreed to accede to the Council's request. The following officers were elected:—Chairman, Mr. B. Olive; Vice-chairman and Treasurer, Mr. S. J. Hopkins; Secretary, Mr. J. T. Hope Evans, 12 Ditton Lane, Cambridge; Assistant Secretary, Miss A. K. Hart.

Chemists' Golf Matches.-In a medal competition held by the London Chemists' Golfing Society at Moor Park on June 30, Mr. R. Collings (17) 71, won a prize presented by the captain (Mr. F. G. Wells). Other scores were:—Mr. R. Poole (8), 74; Mr. A. H. Newcombe (6), 74; Mr. C. H. Maile (6), 74; Mr. B. F. Tisdall (7), 75, Abgrey competition for a cur. Presented of the score of the s 77. A bogey competition for a cup presented by Yardley & Co., Ltd., was won by Mr. R. Poole (8), 1 up. Other scores were:—Mr. A. H. Newcombe, 1 down; Mr. C. H. Maile, I down; Mr. B. F. Tisdall, I down; Mr. R. Collings, 2 down; Mr. E. G. Nice, 3 down.—In a competition held by the Edinburgh Chemists' Golf Club at Newbattle recently for the Rainy Brown trophy and T. & H. Smith prizes, the results were as follows: No. 1 Section: (1) Mr. M. S. Iveson, 2 down; (2) Mr. R. S. Mathison, 4 down; No. 2 Section: (1) Mr. J. F. Robertson, 3 down; (2) Mr. A. Scott, 4 down.—In a competition played by the Manchester Pharmaceutical Golfing Society for the Ucal trophy and memento prize on June 22, the leading scores were: Mr. H. Burlinson (winner of trophy), 73; Mr. E. M. MacIntosh (second prize), 74. Mr. A. Davies (United Chemists Association, Ltd.) presented the prizes.— In the annual match between the chemists' golfing societies of Birmingham and Manchester for the B.D.H. trophy and the Lilo cup, played at Wrekin on June 26, there was a good turnout from both cities. The match for the B.D.H. trophy was decided by the total of the best nine cards returned by either side. Birmingham won the match and the trophy by 670 strokes to 696 (an average of 74.4 and 76 respectively). Mr. R. O. Busby, 70, won the Lilo cup.—Twenty members of the Northumberland and Durham Chemists' Golfing Society met at Morpeth on July 6 to compete for the Reckitt trophy and the T.C.P. tankard. At the close of play the captain (Mr. J. Mills) presented the Reckitt trophy to Mr. A. Harris, Newcastle (4 down), and the T.C.P. tankard to Mr. A. McO. Laws (7 down).

OVERSEAS NEWS

Guernsey's Drug Imports. — During 1948 Guernsey imported 565 tons of drugs and druggists' sundries, against 569 tons in 1947, 358 tons in 1939 and 357 tons in 1938.

U.S. Insecticide Campaign.—An educational campaign is being launched jointly by the U.S. Bureau of Entomology and Plant Quarantine and the Food and Drug Administration to counteract a widespread reaction among American farmers against the use of DDT and other new insecticides.

Plastics from Castor Oil.—A process for the manufacture of synthetic resins from castor oil has been developed at the Weizmann Research Institute, Rehovoth, near Tel Aviv, Israel. Castor-seed can be grown in large quantities in the Negev area, and a factory costing about \$3 millions, to be built at Rehovoth, is to be established by an American syndicate operating the process.

Japanese Exports Down.-The establishment of a single rate of exchange for the yen on April 25 was generally expected to entail a serious drop in Japanese exports, and it now appears that some export trades are hard hit. Not only has the volume of export contracts been decreasing but foreign importers in Japan have been cancelling contracts in increasing numbers. With raw materials in short supply, cancellations mean that scarce materials and funds have been tied up unproductively. To cope with this situation the Japanese Foreign Trade Ministry recently declared void all contracts concluded in March and for which letters of credit had not been deposited by mid-May. The occupation authorities and the Japanese Government are reported to be considering new regulations under which a foreign buyer would be required to deposit part or all of the amount involved in his contract in the form of a letter of credit or cash before the contracting Japanese manufacturer is given any raw material allocation required to meet the contract.

German Pharmaceutical Exports.—German exports of pharmaceutical and medical products so far this year, though double or treble those in the same months of 1948, are still only a fraction of pre-war volume. The value of pharmaceutical products, etc., sent abroad by the Anglo-U.S. zones in the first three months of 1949 was 4,250,000 Deutsche Mark,

against DM 1,210,000 for the first th months of 1948. The March 1949 figure DM 1,660,000 represented a four-fold crease on the March 1948 total. Althou exports rose steadily throughout 1948 from DM 1,210,000 worth in the f quarter to DM 2,360,000 in April-Ju DM 3,490,000 in the third quarter DM 4,040,000 in the final three month the 1948 total of DM 11,100,000 co pared with a figure of RM 135 milli for the whole of Germany in 19 Foreign demand is now largely conc trated on German medicinal vitamin parations. The Merck works, for exam report that their chief export item Cebion, a vitamin-C preparation. Fore demand for reagents is also strong. pharmaceutical industry has been set export target of DM 120 millions for 15 but it is thought unlikely that that s will be reached. The supply of phari ceuticals and medicaments on the don tic market is now adequate to meet mand. Quality, too, is back to norr except in packaging. Bottlenecks exist in the field of hormone preparation Production of penicillin is to be star next winter.

IRISH NEWS

Eire Doctors' Health Service Plar A scheme for a national health serv prepared by the Medical Association Eire, and to be submitted in the r future to the Eire Minister for Health, approved, with some minor alterations detail, at the annual conference of Association at Cork recently.

N.I. Raw Opium Regulations. — Raw Opium Regulations (Northern land), 1949 (S.R. & O., Northern Irela 1949, No. 88, H.M. Stationery Office, Chichester Street, Belfast) amend the of persons authorised under the I Opium, etc., Regulations, 1938, to pos and supply raw opium, etc., so as to incl persons registered in the Supplement Veterinary Register made under the Ve inary Surgeons Act, 1948. The new re lations also require an authorised per except when prevented by the necess of practice, to keep raw opium, etc., a locked receptacle that can be ope only by him or some other authorised i son, and to make entries of particular quantities supplied, etc., in the regi in chronological order.

TOPICAL REFLECTIONS

House in Order

The twenty-ninth annual report of the oprietary Association of Great Britain . 44) is a businesslike account of a busy ar. The dispatch of a statement on the rchase tax on drugs and medicines to ery member of Parliament was advisable, ough the numbers of the members who read ch documents is conjectural. The activis of the Association have extended to ess conferences, the need for which is t so obvious. (By the way, a less cum-ous locution than "Press conference" is inted: will someone oblige?) The cont with Government departments referred in the report is worth maintaining, even en results are unrewarding. The final ragraph of your abstract relates to the portant subject of advertisements. eryone concerned in the distribution of oprietary medicines is glad to know that wording of such advertisements is ing given continuous attention, so that y undesirable statements made by nonembers of the Association are being driven ther into obscurity. Probably there will vays be a legitimate place in the life of community for simple remedies, proetary and others, for treating what the port calls "transient ailments." It is a rious fact that some medical critics, after crying "the fear motive" when used in vertisements of medicines, themselves ke use of this motive by warning their ders or hearers that an internal pain y indicate cancer. One may hope, howr, that in these days of crowded conting rooms the pose of "you shall not e a pill unless I prescribe it" is bening less observable. Most sensible pple make it a rule to avoid fleeing to it family doctor on continuing the sense of the sens ir family doctor on every trivial occan; and the sensible family doctor mends this rule.

nctions of the Unqualified

Your lengthy report (pp. 45-46) of a cussion in Edinburgh on help to be ensted at the dispensing counter to unalified persons is, I hope, a forerunner other reports of the same type when the ply of paper permits. The enforced appression of such news during and since war must have caused you quite as ch annoyance as it has caused any of ir readers. The discussion reported was a well-informed level, and covered st of the field. Speaking, we may

assume, on behalf of the Pharmaceutical Society's Council, Mr. A. A. Meldrum remarked that "nothing would be done in the matter of unqualified assistants that would be detrimental either to the Society or to the qualification." The increase in the number of prescriptions dispensed during the past twelve months has given increased urgency to the question of the function of the unqualified. It seems to me that here is an opportunity for statesmanship. Qualified proprietors and managers of pharmacies must sometimes be temporarily absent during the hours of business. Except in the case of single-handed conduct of a shop, this position should be regularised by the setting up of standards for assistants and apprentices who have had some training but have not passed the Society's Qualifying examination or a university degree in pharmacy. Constant supervision, with the checking of all poisons and unusual doses dispensed, should be compulsory. The Society might, at an early stage of the preparatory work, come to terms with the Society of Apothecaries of London and thus end a longstanding difficulty.

When Analysts Differ

The dismissal, by a stipendiary magistrate, of a summons alleging incorrect labelling (p. 38) reminds us of precautions that should be taken by every vendor of medicaments. Retailers have the invaluable experience of the National Pharmaceutical Union to guide them: it is to be hoped that no owner of a pharmacy will neglect to get in touch with the Union in the event of a sample from his stock being sealed for the attention of a public analyst. One of the wisest provisions ever made in an Act of Parliament is the arrangement for a third part of each sample taken under the Sale of Food and Drugs Acts to be at the disposal of the Government chemist if required by him. As mentioned in an illustrated article in your Special Issue of June 29, 1935, the Government Laboratory was first made the court of reference, for cases of disputed analyses, under the Sale of Food and Drugs Act of 1875. While the numbers of samples thus submitted is-or in 1935 was-not very large, questions of great importance are sometimes raised by means of them. For this reason they are dealt with by senior members of the Government chemist's staff. Xrayser

LEGAL REPORTS

Alleged Unlawful Possession. — Stated by the stipendiary magistrate to have been in possession of "a colossal quantity of chemists' sundries," a woman was sentenced to two months' imprisonment at Liverpool on June 23 for alleged unlawful possession. The stipendiary said there must be well over 100 items, including a variety of toilet requisites, cosmetics, medicinal tablets and pills, ointment, medicinal wine, face towels, etc. The woman said in evidence that she had bought the oil, tablets and some powders from "a man outside a public house who seemed like a commercial traveller." The other articles belonged to her, and some of them she had had for years. She gave notice of appeal, and was allowed bail pending the hearing.

Insects in Pickling Spice.—At Liverpool stipendiary magistrates' court on July 6, Garston Co-operative Society, Ltd., appeared on a charge of selling pickling spice not of the quality demanded and "containing numerous dead and living insects." The stipendiary asked how insects came to be living in the spice, and was told: "They have an extremely long life cycle. They take a considerable time to develop to the adult stage. They get into the pickling spice chiefly in the warehouse, but occasionally in the shops." It was claimed that defendants were selling "a dry article, almost dehydrated." The city analyst had given his view that the goods were infested when in bulk. A fine of £5, with £5 5s. costs, was imposed.

Blackpool Conspiracy Charges.—At Quarter Sessions, on July 4, on charges of conspiring to drug greyhounds at Blackpool Stadium, Joseph Isaac Harris, described by the Recorder as the "kingpin" of a conspiracy to drug dogs at Blackpool greyhound stadium, was fined £250. Mr. Harris qualified as a chemist and druggist in 1933. His name was removed from the Register in 1947. Charged with him were Sidney Wayne, manufacturers' agent, St. Heliers Road, Blackpool, and his wife, Margaret Ellen Wayne, aged 26. Wayne was fined £150 on a charge of conspiring to induce a kennelman to administer a drug to three dogs; his wife, who, said the Recorder, had been influenced by the two men, was bound over for twelve months. The Recorder told the defendants they were lucky they had not been given a term of imprisonment.

NEW COMPANIES

H. KEETON, LTD. (P.C.).—Capits £7,500. To carry on the business of wholesale traders, chemists, druggists, et Henry Keeton and Florence E. Keeton directors. R.O.: 57 Newton Road, Sparl hill, Birmingham, 11.

Kershaws (Chemists), Ltd. (P.C.).-Capital £3,000. To carry on the busine of manufacturing and general chemist opticians, etc. Ethel Kershaw, M.P.S. Harold Kershaw and Wilbert Kershaw directors. R.O.: Middleton Park Phamacy, Middleton Park Circus, Leeds, 16

RONALD BRAY (CHEMISTS), LTD. (P.C —Capital £3,000. To carry on the bus ness of manufacturing, pharmaceutical argeneral chemists, etc. Ronald Bra M.P.S., and Muriel F. Bray, and Erne Stanton, directors. R.O.: 157 Loze Road, Birmingham, 19.

UNISOL CHEMICAL PRODUCTS, LT (P.C.).—Capital £2,000. To carry on the business of manufacturers of and whole sale and retail dealers in chemicals (excepthose used in photography), etc. Roy Tilley, Alan J. L. Ridge, and Stanley Moss, directors. R.O.: 79 High Street Walton-on-Thames.

Company News

J. & E. ATKINSON, LTD. — Net prof after taxation, for the year ended December 31, 1948, amounts to £101,16 (against £28,695), which includes the su of £52,265 in respect of provisions main previous years, now surplus to requiments. An ordinary dividend is recommeded of 20 per cent., free of tax. compar with 7½ per cent. in 1947. The sum £44,741 is carried forward, again £19,579 brought in.

W. J. Bush & Co., Ltd.—Net profit the parent company for the year end December 31, 1948 amounts to £172,62 against £200,347 in the previous year a statement circulated with the accounthe chairman says that the reduction £27,723 in the profit reflects the low profit margins which have resulted fromore competitive conditions. A final didend of 8 per cent. is recommended on tordinary shares, maintaining the divide for the year at 12 per cent., less tax, pla bonus of sixpence per share. The reting directors, Messrs. C. F. Bush and J. Thomas offer themselves for re-electic

MARRIAGE

HANCOCK—LEGGAT.—At Glasgow, on y 6, Mervyn William Hancock, son of late Mr. P. M. Hancock, M.P.S., Udagston, to Mary Carswell Leggat, Glaswell

DEATHS

BAINBRIDGE.—On May 30, as the result a motor-cycle accident, Mr. Geoffrey rold Bainbridge, M.P.S., Appleby, Westrland. Mr. Bainbridge qualified in 1934 I was in the employ of Mr. J. T. holson, M.P.S., Eden Pharmacy, pleby.

CAHILL. — At his home, 91 Ashfield ad, Ranelagh, Dublin, on July 8, Mr. ward Cahill, Ph.C. Mr. Cahill, who alified in July 1904, was a native of rk, to which city the remains were en for interment.

CHEEVERS.—At his home, Keady, co. nagh, Northern Ireland, on June 28, George Cheevers, M.P.S.N.I., Main eet, Keady. Mr. Cheevers was registered a pharmacist in 1930. The funeral took ce on June 30.

DOCTER.—On June 29, Mr. John derson Docter, M.P.S., 23, Viewfield ad, Arbroath, Angus, formerly of Birgham, aged sixty-seven.

Jodson.—At 52 Lincoln Street, Old ford, Nottingham, on July 4, Mr. orge Frederick Godson, M.P.S., F.I.C.A., d seventy-three. Mr. Godson qualified 1900. His son, Mr. George Frederick Ison, jun., is also a pharmacist.

SRIFFITHS.—On June 26, Mr. Thomas thiths, M.P.S., 20 Hogarth Road, Hove, sex, aged sixty-six. Mr. Griffiths was ployed at the pharmacy of Mr. R. P. orge, 9 Church Street.

ones. — Recently, Mr. Noel Jones, a ector of Jones Chemists (Wirral), Ltd., y, Bromborough and Heswall, Ches, d forty-four. Mr. Jones founded the iness in Heswall with his brother, Mr. ronwy Jones, M.P.S., about thirteen rs ago, and later opened the branches lrby and Bromborough. During the war served in the Royal Army Medical ps and was in India for eighteen 1ths.

EACH.—On July 2, Mr. Thomas Henry Bois Leach, Stonebank, Yardley Gobion, thants, aged sixty-one. Mr. Leach was king at his pharmacy apparently in his

usual health up to the day before he fell ill. A native of Oxford, Mr. Leach served his apprenticeship under the late Dr. Druce, chemist and botanist of that city. When Dr. Druce retired, Mr. Leach accompanied him on a world tour of botanical research. Later he set up in business at 10 Sheep Street, Northampton. During the 1914-18 war he served in the Royal Tank Corps, and during the 1939-45 war was a captain in the Home Guard. Mr. Leach held the rank of a Provincial Grand Officer in Freemasonry and was a Past-Master and Chaplain of the Watling Street Lodge. He was president of the Potterspury branch of the British Legion, president of the local Horticultural Society and a churchwarden. The funeral, which took place at Yardley Parish Church, was attended by a large body of mourners. Mr. Leach is survived by his widow and two daughters.

Pattison.—On June 22, Mr. Thomas Dowson Pattison, M.P.S., 81 York Road, West Hartlepool, co. Durham, aged eighty-two.

SPYER.—On June 7, Mr. Arthur Jesse Spyer, 27 Victoria Road, Bushey, Herts. Mr. Spyer qualified as a chemist and druggist in 1891.

ZWANENBERG.—Suddenly, while convalescing at Aix les Bains, France, on July 8, Mr. Leo Frank van Zwanenberg, Parrock Wood, Coleman's Hatch, near Tunbridge Wells, Sussex, chairman of Organon Laboratories, Ltd., London, aged fortyseven. A memorial service is being held at the Liberal Jewish Synagogue, 28 St. John's Wood Road, London, N.W.8, at 5 p.m. on July 19.

WILLS

MR. G. O. JONES, M.P.S., 219 Harrow View, Harrow, Middlesex, left £1,528 (£1,510 net).

MR. F. C. Jackson, M.P.S., 16 Western Road, Hove, Sussex, left £2,822 (£2,750 net).

MR. H. GORDON, M.P.S., 271 Balham High Road, London, S.W.17, left £4,436 (£1,445 net).

MR. G. E. WHINERAY, M.P.S., 6 Lordsome Road, Morecambe and Heysham, Lancs, left £19,357 (£19,309 net).

MR. B. MYERS, M.P.S., 21 Dundonald Drive, Leigh-on-Sea, Essex, for over thirty years chief pharmacist at Mile End Hospital, London, left £2,230 (£2,195 net).

PERSONALITIES

Mr. Geoffrey Hirst (chairman and managing director of Hirst, Brooke & Hirst, Ltd.) has been elected president of the Leeds branch of the Incorporated Sales Managers' Association.

MR. NEVILLE PERCY HENRY MILNER has been awarded the Thomas Chase prize (for competition among student associates in Birmingham) on the joint recommendation of the Education Committee and the Birmingham Branch of the Pharmaceutical Society.

Mr. E. H. Kidger, manager of the Australian branch of Menley & James, Ltd., is in Britain on a month's business visit and will be glad to assist anybody interested in the marketing of medicinal products in Australia. Mr. Kidger formerly took an active part in the work of the Proprietary Articles Trade Association in Australia.

Mr. Michael J. Fecher (chairman and managing director of M. J. Fecher,

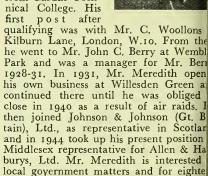


Ltd., Slough, sunmerchants) dries celebrated h i s eightieth birthday on July 5. Mr. Fecher commenced the business in sundries trade on his own account in the early nineties at Idol Lane, London, E.C.3, removing later to Red Cross Street. For over thirty years he travelled for his business in the

United Kingdom, and was a regular visitor to continental Fairs. During the past few years Mr. Fecher has retired from active business though he is still engaged in consultative work, and gives the company the benefit of his long experience of the trade. He enjoys excellent health, drives his own car and plays as keen a round of golf as he did forty years ago. His chief hobby is fruit and vegetable growing in the extensive garden adjoining his home in Stoke Poges. To those who would be fit and enjoy life at eighty he says "Do not give up doing things, eat and drink what you like in moderation, keep your interests alive, and never consider it too late to create new ones."

MR. EVAN C. MEREDITH, M.P.S. F.S.M.C., the new president of the Wer bley Chemists' Association, took





months has been a co-opted member

Wembley education committee.

DR. C. H. Andrewes, F.R.S., who writing a short series of articles for t. C. & D. on viruses and virus diseases (second article is published on p. 78) h been in the service of the Medical R search Council since 1926, working chie on viruses. He is at present in charge the World Health Organisation's Wor Influenza Centre at the National Instit for Medical Research, Hampstead, Lo don, and of the Common Cold Resear Unit, Harvard Hospital, Salisbury. Aft an education at Highgate School, Londo and at St. Bartholomew's Hospital, I Andrewes took an M.D. (London) in 192 working afterwards in the medical unit that hospital for two-and-a-half years. I then had two years' experience at the hipital of the Rockefeller Institute, Nork, U.S.A., before joining the staff the Medical Research Council. He welected F.R.C.P., 1935, and F.R.S., 193



THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

R. P. FREEMAN asked the Minister of alth on July 11 whether he was aware t much larger quantities of medicines re frequently supplied on National Health vice prescriptions than were necessary; I what steps were being taken to prest such waste of public money. MR. EURIN BEVAN replied: A doctor whose scriptions suggest extravagance may be his prescribing investigated by a local fessional committee. Before this he uld be given the opportunity of explainhis reasons to, and being advised by, of my Department's medical officers.

ms Provided Under N.H.S.

n reply to Mr. Peter Freeman, Mr. van gave the following figures on the mber of items provided under N.H.S. in gland and Wales since July 5, 1948:—aring aids (electrical and non-electrical), 000; surgical and medical appliances spital service), 164,000 (figures for bliances supplied through the general dical service not available); dental atments (in general service), 6,800,000 cluding all forms of treatment, and not ited to dentures; figures for dental atment at hospital not available); glasses pplementary ophthalmic service), 00,000 (figures for glasses supplied ough the hospital eye service not available).

alth Centres

AR. GALLACHER asked the Minister of alth how many health centres had been up throughout the country; how many e in the process of being set up; and he would make a statement on the eral progress of health centres. MR. VAN replied: Twenty-six existing clinics being run as health centres, medical dental. One important new scheme is ler way, and three other proposals are ng considered.

pital Expenditure on N.H.S.

ons Waldron Smithers asked the nister of Health what was the total ount of capital expenditure on the tional Health Service since its incepa; and if he would give an estimate of proposed capital expenditure in the t three years. Mr. Bevan: The total ount of capital expenditure on the

National Health Service from its inception to March 31, 1949, is estimated at £7,321,000. No estimate of the proposed capital expenditure in the next three years can be made at present as this is dependent on the Government's programme of capital investments, which is under consideration.

Dangers from Insecticides

MR. TOM DRIBERG asked the Lord President of the Council on July 7 if he was aware of the large number of commercial insecticides and fungicides, containing dangerous poisons, now offered for sale to fruit growers and smallholders. What steps were taken by his Department, in conjunction with the Ministries of Food and Agriculture, to test fully and over a considerable period of time the effects of these products on plants and on human beings? MR. HERBERT MORRISON replied: The Agricultural Research Council and the Medical Research Council are aware of the potential dangers of the indiscriminate use of some of the new insecticides and fungicides and there is a special toxicity subcommittee of the Research Co-ordinating Committee on Insecticides, a body appointed jointly by the Medical Research Council, the Department of Scientific and Industrial Research and the Agricultural Research Council, which arranges for the examination of new materials. As to the effect of insecticides and fungicides on plants, active and continuing research is in progress at several agricultural research institutes. In regard to the effect on human beings, the Agricultural Research Council works in close collaboration with the Toxicology Committee of the Medical Research Council. The inquiries of that Committee include long-term studies. Mr. Driberg asked whether Mr. Morrison was aware that in at least one recent case a woman had died through eating strawberries which had been picked too soon after spraying with one of these poisonous preparations. Apart from this immediate danger, was he satisfied that there was really sufficient research going on into the longterm effects on the soil and on life generally? Mr. Morrison assured Mr. Driberg the matter was being dealt with "pretty thoroughly." He asked for particulars of the case mentioned.

TRADE NOTES

Acknowledgement.—The photograph of "Miss Wellcome" reproduced in the C. & D., July 9, p. 34, was taken by "Kentish Times" Photo Service.

Now on Protected List.—Prentif, Ltd., Long's Court, St. Martin's Street, London, W.C.2, announce that all chemical products of the company are now on the protected list of the Proprietary Articles Trade Association.

Eight-exposure Film.—Pandæ Film Co. (Wholesale), Ltd., 12 Laings Corner, Mitcham, Surrey, illustrate on another page their Panda 8-exposure film in 62, 20 and 27 sizes. Trade and export inquiries are invited.

Display Offer.—J. C. & J. Field, Ltd., 123 The Broadway, Wimbledon, London, S.W.19, have prepared a leaflet giving details of a special display scheme offer, operative until the end of August, for Field-Day brushless shave and Lathex shave cream (see C. & D., June 25, p. 833).

Three Sulphonamides. — Sulphatriad suspension, marketed by Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, is, as its name implies, a preparation containing three sulphonamide compounds: sulphadiazine, sulphamerazine and sulphathiazole. In a previous note, sulphadiazine was inadvertently omitted.

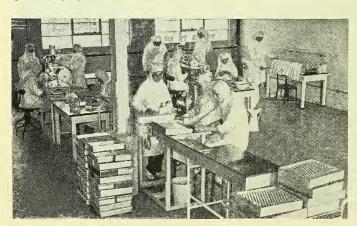
Bonus Offers. — Details are given on another page of minimum parcels qualifying for special display terms of the proprietary preparations of C. E. Fulford,

Ltd., Carlton Hill, Leeds, 2.—To introduce Sherley's blood salts for dogs an Sherley's cream shampoo for dogs, A. I Sherley's Co., Ltd., 16 Marshalse Road, London, S.E.1, are giving specidiscounts to retailers on purchases of quantities specified on another page.

Formula Change.—D. & W. Gibbs, Ltd Kingscote House, I Watergate, Londo E.C.4, have modified their former supe fatted cold-cream soap by the addition of new proprietary preparation Liril, whic is described as "blending three elemen of special value to the skin." The soa now appears under the name Astral (Gibl cream soap containing Liril). The pack illustrated on another page.

Discontinued.—The Crookes Labor tories, Ltd., Park Royal, London, N.W.1 state that they withdrew from sale on Ju 8 the following preparations in boxes six I c.c. ampoules and in 30-c.c. rubbe capped vials:—Collosol ferrum with coper, with arsenic, with arsenic and rubbe and with arsenic and strychnine, and Colosol ferromanganese with copper.

Price Changes. — The British Dru Houses, Ltd., Graham Street, City Roa London, N.1, announce that new reduce prices for Vibelan tablets (bottles of 5, 250 and 1,000 tablets) came into operation on July 1.—Howards & Sons, Ltd. Ilford, Essex, state that rising productio costs have made necessary a slight advance in the prices of Howards' bicarbonate of soda. Details of the new prices may be obtained from usual wholesalers.



Time an Motion Studies.-J. J. Gillespie Associates, organisation and mora consultants, 1 Duke Street, Lordon, S.W.I, an prepared to makreports on worl and office method and morale, an make motion stud study applications.

Left: View of enlarge streptomycin filling de partment of Glaxo Law oratories, Ltd., Green ford, Middlesex. Display Material — J. C. Eno, Ltd., are fering on loan for special window disays two new display cards in Perspex mes for Dinneford's fluid magnesia. essrs. Eno announce also that they have ken over the distribution of C.P.10 kaopoultice, Teller test, Celpac, and penilin gelatin pastilles, formerly distributed Carnegie Bros., Ltd., 227 Essex Road, andon, N.1.—G. T. Fulford Co., Ltd., T. Canada), 8 Royston Park Road, atch End, Middlesex, illustrate on anher page a new display outer for Dr. illiams' pink pills. — Richard Hudnut, D., Power Road, London, W.4, have



de available to stockists of their home rmanent wave a new display card, size in. \times 8^1_4 in., to fit into the rear of the box.

Dispensing Packs. — ANGLO-FRENCH LUG Co., LTD., 11 Guilford Street, Lonn, W.C.1, announce that the following k-free dispensing packs become available July 18:-Elixir bromo-valerianate, bail (40 and 80 fl. oz); Hepvisc tablets oo); Hypotensyl tablets (500); syrup perssis, Gabail (16 fl. oz.). A dispensing pack Mycolactine is being introduced on igust 1.—British Chemicals & Bio-GICALS, LTD., 43 Regent Street, Loughrough, introduced on July 11 the followg (tax-free) dispensing packs:—Auralin (Benger), 12½ mils and 50 mils; ronalgicin (Benger), 25 mils and 100 ls; Cogene tablets (Genatosan), 250, o and 1,000; Cystopurin (Genatosan), 0, 500 and 1,000; dermatological creams enatosan), Nos. 7, 8, 10, 11, 12, 12a, oz., 4-oz., 1-lb., 7-lb. and 14-lb. The mpany issue a reminder that, although ttæ lachesinæ is included in the National

Formulary, 1949, lachesine is supplied by the company only in powder, in 1-gm. tubes and 5-, 10-, 15- and 25-gm. bottles and 50 gm. bulk packages.—Johnsons OF HENDON, LTD., Hendon Way, London, N.W.4, announce that the Commissioners of Customs and Excise have agreed to recognise as dispensing packs all packages from 1 oz. upwards of organic silver salts if labelled in accordance with the requirements. Arrangements have been made for the following preparations of the company to be labelled accordingly: -Arvitin; Arvitin brand silver vitellin, B.P.C.; and argentoproteinum, B.P. The designation "I oz. packs" includes the company's special pack of Arvitin (twenty tubes in a carton, each tube containing gr. 21.875.

Proprietary Articles Trade Association

Alterations to the Protected List (Part 1).—John Bell, Hills & Lucas, Ltd., Tonic Phosphates, J.B. brand, 4-oz., 14s. 6d. doz., tax 33\frac{1}{3} per cent., inclusive retail price 2s. 6d.; 8-oz., 24s. 6d. doz., tax 33\frac{1}{3} per cent, i.r.p. 4s. 3d.; 16-oz., 43s. doz., tax 33\frac{1}{3} per cent, i.r.p. 7s. 7d.

BUSINESS CHANGES

BARCLAY & Sons, LTD., Barclay House, 95 Farringdon Street, London, E.C.4, have appointed Major H. Goddard, M.B.E., stores and dispatch manager of their Barclay House depôt.

ROUSSEL LABORATORIES, LTD., 95 Great Portland Street, London, W.1, are transferring their offices on July 25 to 4 Golden Square, London, W.1 (Telephone: Gerrard 3111-12).

The wholesale business at 7 Sussex Street and 22 Robert Street, Middlesbrough, formerly carried on by the late Mr. W. T. Coltman, M.P.S., has been formed into a limited company under the managing directorship of Mr. R. MacDonald Murray, M.P.S., who has been associated with the business for twenty-five years.

Monsanto Chemicals, Ltd., have appointed Mr. N. F. Patterson general manager of production, with headquarters at Ruabon. Mr. W. A. Hayward, M.Sc., Ph.D., A.R.I.C., A.M.I.Chem.E. (formerly production manager) succeeds Mr. Patterson as works manager at the company's Ruabon plant. Mr. R. E. H. Sheridan has been appointed assistant secretary.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the National Pharmaceutical Union and of the directors of the Chemists' Defence Association, Ltd., were held in London on June 28 and 29, Mr. Joseph Hearle in the chair. A letter received from Mr. Oscar Seaton (a member of the Executive for Eastern Division I) who is on a visit to New Zealand, said he had made many pharmaceutical contacts and had been given every assistance in investigating pharmaceutical conditions in the Dominion; he would be reporting fully on his return.

Branch Conference

It was decided than an N.P.U. branch conference should be held in London on October 26, and that branches should be invited to submit, not later than September 30, matters for inclusion in the agenda. It was also arranged that a subscription complimentary banquet to do honour to Mr. G. A. Mallinson, O.B.E., should be held on the evening of October 26; in view of the limited accommodation available, it was decided that a quota of tickets should be offered in the first instance to all branches.

National Health Service

The report of the Central N.H.S. Committee stated that note had been taken of a reply given by the Accountant-General to the Ministry of Health when giving evidence before the Select Committee on Estimates, to the effect that he was unaware of chemists having raised objections to receiving payment for N.H.S. work based on averaging methods. It was decided that the objections to all systems of averaging should be renewed to the Ministry of Health, and that special attention should be directed to misconceptions as to the views of contractors that appeared to exist in the Accountant-General's Branch of the Ministry. Resolutions were received from the Wolverhampton and Bradford Pharmaceutical Committees and from N.P.U. Branches at Hartlepool, Halifax and Barry on matters arising out of the imposition of the 5s. ingredient-value "split" for full pricing. It was reported that, following representations to the Ministry of Health, Executive Councils had been instructed not to hold up payments for rota services until they were in a position to make the final payments for prescriptions dispensed during the month t which the rota claim applied, but to mak them at the time the final payment fo any month's prescriptions was being made It was reported that there was no specifi inclusion in the Drug Tariff of appropri ate fees for dispensing insufflations an vitrellæ, and it was agreed that insufflation should be classed under paragraph I(v and vitrellæ under paragraph I(vi) of Par Il of the Drug Tariff. As no agreemer had been reached with the Ministry of Health on pricing on a basis of dispensin packs, July prescriptions would be dea with as in May and June (i.e., there would be no automatic assumption for pricin purposes that a prescription had been dis pensed from one of the non-taxable dis pensing packs recently introduced). Cor tractors would, however, be expected tendorse the prescription "Disp. pac used" where they did so dispense.

Container Allowance

It was reported that the reduced container allowance would come into effect within a month or two. A date would be fixed (see p. 65) so soon as a point out standing in connection with the publicit campaign had been settled. The Ministrof Health would conduct a Press publicit campaign, commencing shortly before the operative date, drawing the attention of the public to the changed position and urging the return of clean bottles without expectation of payment. The Ministre would also supply each contractor with a card for display on the counter or othe suitable place; the card would be worded

NATIONAL HEALTH SERVICE
RETURN OF MEDICINE BOTTLES
Please return all medicine bottles promptly

Please return all medicine bottles promptly and in a clean condition. By so doing you are assisting the smooth working of the National Health Service and are helping to keep down the cost. We are no authorised to make any payment for returned bottles.

The card as it was issued would be marked to show that it was an officia notice. To encourage the return of the bottles the use of a small sticker or slip label on the back of all N.H.S. bottle handed out was to be recommended to contractors. A form of wording for such stickers was given in the C. & D., July 2 p. 865. The arrangement with the Minis

did not provide for such labels to be official issue; it would be for contracwho wished to use them to obtain r own supplies. It was reported that

r own supplies. It was reported that various chemists' printing-houses had ady been informed of the wording by N.P.U., and that many had already nged to carry the labels as a stock

It was further reported that the istry of Health had no objection to labels being put into use in advance he operative date of the reduced content allowance.

Rale Price Maintenance Committee

n a report on discussions that had n place at meetings of the Fair Trad-Congress (which includes in its memip most of the organisations concid in retail price maintenance mes) it was decided that close contact ld be maintained with that body on lopments arising out of the Resale Maintenance Committee's Report; that the Proprietary Articles the Association, as the spear-head of protection in the drug trade, should

be fully supported in any action taken on the Report.

Other matters which had been considered by the Central N.H.S. Committee and of which reports were received, were further proposals from the Ministry of Health in regard to proposed control of advertising of N.H.S. pharmaceutical services, and proposals from the Ministry which, if brought into effect, would divert the channel of supply of oxygen therapy equipment for the N.H.S. General Practitioner Service from the retail pharmacy to the hospitals. On both of these matters it was resolved that there should be further negotiations.

Chemists' Defence Association

Special attention was directed to the necessity of members protecting their own interests and those of the Association by reporting immediately any incident that had given rise or was likely to give rise to a claim. Two recent cases had proved to be much more difficult to settle (and much more expensive) than would have been the case had the facts been reported promptly.

TEDDINGTON LABORATORY OPEN DAY

Government Chemical Research ratory, Teddington, was thrown open o ress visitors on June 30. They were he n many exhibits, including new n ticidal compounds produced during he hydrogenation of pyridine at high ure over a nickel catalyst at e eratures above 180°C. It was ex-led that during the process some or ogenolysis of piperidine occurs, with hormation of a mixture of high-boiling The crude mixture of those prohas been shown to be toxic to test n ts (the grain beetles Calandra gran-ar and Blatella germanica). The toxic cituents have been identified as N clopentyl piperidine (which has a rad "knock-down" effect followed by recovery); and NN' pentamethylene di peridine (slower knock-down effect, fo wed by high mortality). A systematic st v of the N- substituted piperidines and of c nitrogen-containing compounds as in ticides is now in progress. The O nic Group, at the Laboratory, demor ated an assemblage of high-efficiency fr. ional-distillation equipment controlled by lectronic relay and fitted with preci-thermocouples used for measuring

stillhead temperatures; the gauze packings for the fractionating columns had been made in the engineering shop of the Laboratory. In the High Polymers and Plastics Section, a demonstration was given of two new ion-exchange resins (sulphonated crosslinked polystyrene, which contains only the strongly acid -HSO₃ group; and crosslinked polymethacrylic which contains the weak acid -COOH group) having only one ionisable group. They have the advantage over earlier resins that their use excludes the possibility of interference between different groups in exchange reactions, and they may find applications in, for example, alkaloidal separations. Workers in the Organic Inter-mediates Section II, who are studying, among other subjects, organo-silicon compounds, showed how a gel of such a compound supported on filter-paper rendered the paper impermeable to water but permeable to benzene. The section was also preparing isotopic carbon-dioxide containing (non-radioactive) ¹³C. Inorganic Group of workers showed latest work on the separation of metals (including group separation) by chromatography, and evaporation by infra-red radiation.

VIRUSES AND VIRUS DISEASES

By C. H. Andrewes, M.D., F.R.C.P., F.R.S.

(National Institute for Medical Research, London)

2. Diseases that Viruses Cause

MONGST the most striking virus diseases are the infectious fevers of childhood. Measles, German measles, mumps, chicken-pox and smallpox are all virus diseases-but not, of course, whooping-cough, diphtheria and scarlet fever. In the tropics, yellow fever is probably largely a childhood disease in native populations; this is one of the insect-borne virus diseases. All these virus infections are general infections with virus circulating at some stage in the blood and localising later in skin, mucous membranes or internal organs. In all of them, good antibodies are produced and immunity is very enduring, commonly life-long. One reason for this is probably that the virus, to produce disease, has to pass through a stage of distribution through the blood-stream, and it is there that any existing antibodies can be readily mobilised to thwart it. Further, in none of these diseases are there different sub-varieties of virus, such as (as will be seen later) confuse the issue in influenza; all of them are nice, sharply-defined, unvarying entities. One of them, German measles, or rubella, has assumed special importance lately. It was found in Australia that in many cases of congenital defects in newborn babies, especially cataract, the mother had had rubella early in her pregnancy. Others have since investigated the matter and find that, all over the world, there is a grave risk that rubella in the mother, particularly in the second and third months of pregnancy, may lead to cataract, con-genital heart disease or other defect in her infant. The obvious lesson is that pregnant women should at all costs be shielded from exposure to infection. It has even been suggested that girls who have not had rubella should be deliberately infected and "get it over" before marriage.

Upper Respiratory Infections

In contrast to the group just described, we have among the upper respiratory infections a hotch-potch of ill-defined diseases, few, if any, of which give rise to long-lasting immunity. Only one of them, influenza, is clearly recognisable by laboratory tests and separable from the others. Since the discovery in 1933 that influenza

virus will infect ferrets, means have be found of infecting also mice and fert eggs, and knowledge about the disease I advanced by leaps and bounds. Well or 1,000 papers about it were listed in a cent text-book-almost all dealing w laboratory studies since 1933. Immun to this disease probably lasts, in me people, for a couple of years. There a however, two influenza viruses, known A and B, and an attack by one still leav the patient fully susceptible to the oth Two attacks of influenza close together not, therefore, mean that an attack leav no immunity behind it: you should n however, have more than two within short time. The people who say they ha influenza every year or oftener usually si fer from particularly bad colds, not tr influenza.

The Common Cold

The common cold is a much harder n to crack, since, as mentioned in the fi article, no susceptible animals are know other than man and the chimpanzee. V do know, however, that infection can produced with filtrates which hold back bacteria, that the virus is rather small than that causing influenza, and that is munity, even to a single strain of virus, very transient. Colds are certainly caug by contact with other cold-sufferers. The is a widespread belief that, in addition chilling can precipitate an attack. Possilmany people "carry" cold virus for time in their noses without having as symptoms. There is, however, a precario balance between those people and the virus which such things as chilling ma upset. It is unlikely that the virus can thus "carried" for long, for in small is lated communities colds soon die out ar no amount of chilling will then set off a attack.

Besides true influenza and colds, the are probably several other virus-cause upper respiratory infections. Since the sulphonamides have been shown to be effective against ordinary lober pneumonia a so-called "primary atypical pneumonia has become more prominent. This is unaffected by sulphonamides and penicilling Transmission experiments in human volumeters have shown that a virus is concerned.

a suggest that this commonly produces toold-like symptoms, the "atypical monia" cases being only the severest enples of infection. Another infection etimes called "febrile catarrh" or ute respiratory disease" is not unlike tenza but more often accompanied by the and sore throat. This also has not have the transmitted to animals but only to han volunteers. Doubtless there are the yother infections in the group; in fact, we are only just beginning to glimpse order to class.

mal Diseases Transmitted to Man

lan is attacked not only by his own p sitic viruses, but also, almost accidenta by those of other mammalian or bird s ies. He does not, as a rule, transmit the infections to other people; infection o han is therefore a blind alley from the v s point of view. Psittacosis is an unp sant form of pneumonia which man r catch through contact with sick par-r and, more rarely, with pigeons and or birds. An economically important rction of chicks, Newcastle disease, has is. Many human cases of encephalitis (immation of the brain) have occurred e cially in America and the Far East. See of the American cases were traced to a virus causing a similar disease in hes, and transmitted by mosquito bites. Be the disease is not really a disease of hes either but of fouls and other birds. h es, either, but of fowls and other birds. ent evidence suggests that it is a symp-ess infection of fowls transmitted by a hall mite; during the summer, it can be carried by mosquitoes and these bite a man or horses and produce phalitis in them. Fortunately, these zions do not occur in Britain. We he, however, especially on the Scottish belers, louping-ill, a nervous disease of p. This is transmitted by the bite of a ck, and man may occasionally be infeed. Even yellow fever, a notorious hean disease, is probably really a disease repolar in the invalor. This monkey o monkeys in the jungle. This monkey d ase has, perhaps, only lately become a pted to man, but here there is unfortrately a mosquito capable of carrying on a nan-to-man cycle of infection. This n quito can be controlled, but the jungle y Dw fever in monkeys remains as a perment threat.

or every bacterium which causes dise in man, there are dozens of sorts th live in his mouth and alimentary canal and do him no harm. So, too, it is likely that we harbour many viruses within our cells, doing us no harm unless something happens to upset an equilibrium, as was suggested in the case of cold "carriers." Fever blisters (or herpes simplex) is an infection due to a virus. Many people have crops of blisters on nostrils or lips whenever they have a cold; such people always carry the virus in the cells of their noses or lips, but the virus is only able to manifest itself when a cold (or in some people, some other stimulus) upsets the local control mechanism.

Viruses and Cancer

Cancer is certainly not infectious like measles. If a virus is concerned in it, we must suppose it to cause normally a symptomless infection (like herpes between the outbreaks of blisters) and only some outside stimulus would upset the virus-cell balance and allow the virus to instigate its sheltering cell to the wild, lawless multiplication which results in cancer. This outside stimulus may loom larger as the cause of the cancer than the virus. It has been known for years that a few cancers are caused by viruses such as, for example, a connective tissue tumour of domestic fowls, a kidney growth in leopard frogs and a warty growth on American cotton-tail rabbits. Most pathologists have regarded these as zoological curiosities and unrelated to cancer generally. Quite recently, Gye and his colleagues have produced evidence suggesting that quite a number of different well-studied growths in mice are due to viruses, since they can be transmitted by means of dried tissues. So far as is known, mammalian cells cannot withstand drying and there must, therefore, be in these growths a continuing cause apart from the cells themselves. This is most likely to be a virus. If Gye's suggestions as to these mouse tumours prove true, they are likely to be true also of tumours in mammals generally, and rapid new developments in our knowledge of the cause of cancer can be expected quite soon.

Overseas Economic Surveys.—Two further surveys in the series on economic and commercial conditions in individual countries—Finland and Peru—have been published for the Commercial Relations and Exports Department, Board of Trade. They may be obtained from H.M. Stationery Office, prices 2s, and 1s. 6d., respectively.



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DL. CLII JULY 16, 1949

No. 3621

Ouality of Liver Extracts

LLOWING recent suggestions in the medi-Press that the quality of British liver from "pharmaceutical tracts made ers" was inferior to those made from sh, edible livers (see C. & D., March 5, 312), the Ministry of Health decided to uire into the matter, as it was "clearly e of considerable importance both for welfare of patients at home and for maintenance of the good reputation ich British pharmaceutical houses have n in the export market." The results of the Ministry's inquiry are given in a ter to the "British Medical Journal" ıly 9) from Sir Weldon Dalrympleampneys (deputy chief medical officer the Ministry). No evidence could be scovered, writes Sir Weldon, to substantithe claim that better liver extracts uld be made by using fresh, edible livers an by using so-called "pharmaceutical ers." The trade term "pharmaceutical ers" covers livers which are tough or t sufficiently fresh in appearance to atact the housewife, but does not include berculous livers or those with abscesses, sts, or other obvious disease; diseased ers are not used for the manufacture of er extract. In the Ministry's view there pears to be no risk of transmitting disease patients through the use of pharmaceual livers, and, in any case, the producon processes are considered to provide ective sterilisation. No significant difrence was found in the vitamin B12 connt of pharmaceutical livers and of edible livers, and although vitamin B_{12} is not necessarily the only therapeutically active factor in liver, the Ministry regard B_{12} content as a fair measure of anti-anæmic activity.

The variations found in batches of liver extract-rather wider than in most biologicals-are a result of the absence of an adequate animal test for standardisation. British pharmaceutical houses standardise their batches by the response of one or two pernicious anæmia patients who have not had prior treatment. As the response of individual patients must vary widely, the standardisation is less accurate than with a test using larger numbers and a standard strain of laboratory animals. The limitation applies equally, of course, to liver extracts manufactured in other countries, but it does explain how patients may occasionally fail to demonstrate the anticipated response. In such instances Sir Weldon suggests that an alteration of dosage or change to another preparation would usually overcome the difficulty. How little is yet known about the relationship of liver to the macrocytic anæmias is shown by the recent discoveries of folic acid and vitamin B₁₂, and Sir Weldon concludes by appealing for any scientific evidence that would assist in securing even better preparations for the treatment of patients suffering from such conditions. Eventually the solution may well come in the form of the combined microbiological and chromatographic assays, hinted at by Lester-Smith and Cuthbertson ("Lancet," February 19, p. 325).

Council Priorities

CURRENTS and cross-currents agitated the surface of the deliberations of the Pharmaceutical Society's Council at its July meeting. Yet only members equipped with the right apparatus can measure the strength and the direction of those movements.

Mr. Meldrum, chairman of the Education Committee, appeals to the Council urgently to concern itself with a matter his Committee cannot decide in isolation. Mrs. Irvine reminds her colleagues that if they don't take a decision somebody else will. Mr. Linstead—whisperings from

Commons' corridors still in his ears—warns how the Government may demand an answer when members of Council are, like members of Parliament on recess, not there to give it. Facing these apostles of action, Mr. Steinman pleads with everybody not to panic.

And what is it all about? Hush! You are not supposed to know. Something is afoot to affect the status of the unqualified. But be reassured. Your Council has not panicked. The matter rests where it did, to come up again on August 8.

Not that Council members "break up" with no decisions taken. They have resolved-not with very great confidenceto seek audience with the Minister of Health on the question of advertising under N.H.S. [And if he asks about the Statutory Committee and matters in dispute, what shall their answer be?] They have—as in duty bound—endorsed Mr. Linstead's parliamentary endeavours to have pharmacists, qua pharmacists, recognised in the National Health Service contracts. But notably, and with something like gusto, they have embarked upon action that may one day lead to closer relations with French pharmacists.

That aim is laudable, but note the order of priorities: -1, Exchange of visits; 2, exchange of workers or lecturers; 3, reciprocity of qualification. Third place goes to reciprocity, perhaps, because it is such a pipe dream after the squeezing-out to which British pharmacists in France, even those with a French qualification, have been subjected in recent years. First place, naturally, goes to "exchange of visits." The reasons are easy to guess. Are there not pleasant memories of tours in Switzerland and Germany? Will not October bring diplomatic triumphs in Edinburgh? Let us, then, start looking around now for fresh worlds to conquer. If Edinburgh, why not Paris? If Paris, why not the seat of one of the Society's branches overseas? Why not even New York?

The cost? Don't let that worry you, old chap! If the worst comes to the worst, we can take powers to put up the retention fees.

Value of an "Open" Day

Periodic organisation of an "open" d by the Chemical Laboratory, Teddingt (a station of the Department for Scienti and Industrial Research) (see p. 77) allo workers in the industrial field to see a discuss at first hand chemical resear which, according to the policy of the Lat ratory, is of a kind not adequately do elsewhere. The fact that little pharmace tical chemistry is being undertaken at t Laboratory at present (though within i cent years the trypanocide dimidium br mide was elaborated there) is perhaps measure of the thoroughness with whisuch research is being carried out els where. Of the exhibits shown, those most immediate importance to pharmac perhaps, were the new insecticidal cor pounds derived from pyridine. The d covery of these compounds is significa also for starting a systematic search for i secticidal compounds in the N-substitute piperidines. By a useful coincidence, tl crude insecticidal mixture gives a doub effect—a quick "knockdown," followed l a slower, more toxic action.

Typifying the value to the pharmace tical industry of the general chemical r search demonstrated at the open day is the financial saving likely to be derived from the prevention of the corrosion (and the consequent replacement) of buried metal pipes, storage tanks, etc. Knowledge is already so far advanced that the Laboratory can often give considerable help to chemical engineers from an examination of the flora, etc., of local soil.

FIFTY YEARS AGO

Ionone Patent Queried From the C. & D., July 15, 1899.

THE validity of Tiemann's patent No 8736, 1893, is questioned . . . The patent had already been the subject of litigation in France and Germany and it every case the decision was in favour of the patent. . . . [Counsel said] it was most valuable patent in connection with perfumery and it was its extreme valuable that had brought about the proceedings [The case was eventually dismissed].

CONFERENCE ON TUBERCULOSIS

ARLY 1,200 delegates representing docs, the pharmaceutical industry, and a le variety of other interests met in Lonn from July 5-8 for the second Comnwealth and Empire Health berculosis Conference organised by the tional Association for the Prevention of berculosis. Dr. Geoffrey Marshall airman of the Medical Research Councommittee investigating the use of ptomycin in tuberculosis) urged the d for strictly controlled experiments in essing the value of streptomycin or other igs in the treatment of tuberculosis. Eximents conducted by his committee had wn that streptomycin was of value in monary tuberculosis, but that its effect s limited to about three months. After out eight weeks' treatment streptomycin sed to kill the tubercle bacillus, as the anism adapted itself to the new condin and increased its resistance to the ig up to 4,000 times. The resistance sisted in the patient, possibly for the of his life. In addition, the patient duced streptomycin-resistant organisms t could infect other people. He quoted example of a doctor who found that he l a small tuberculous region and treated self with streptomycin. After a short ile he relapsed and infected his baby, o developed meningitis caused by a ptomycin-resistant strain of the tubercle illus, and consequently died without possibility of effective treatment.

possibility of effective treatment. eptomycin had proved of use in the atment of tuberculous meningitis (a case normally almost 100 per cent. al). In cases he had treated, there had n a 40 per cent. recovery. Children ow the age of three years showed a less of recovery rate and often were left h great changes in temperament, with finess, blindness, etc. He recommended t streptomycin be used only where it in indispensable—for example, to make very sick person fit for collapse therapy, in cases of complications following sural intervention.

ra-aminosalicylic Acid

Though para-aminosalicylic acid A.S.) did not cure tuberculous menins, said Dr. Marshall, it had not the advantage of producing resistant strains. e speaker had not seen the results of ctly controlled experiments with

patients chosen at random, and he would be sceptical of any spectacular claims that might be made. The use of streptomycin and para-aminosalicylic acid together had been suggested, but he recommended that controlled experiments should be carried out before any pronouncements were made.

Exemplifying the need for strict control of experiments, he quoted results obtained by his own committee showing that, while 69 per cent. of pulmonary tuberculosis patients treated with streptomycin improved, 37 per cent. of untreated patients also improved. The improvement of some of those patients had been so great that, had it not been for the strict conditions of the control experiments, the improvements might well have been attributed to the streptomycin.

Streptomycin and P.A.S.

MR. C. P. THOMAS (surgeon to Westminster and Brompton Hospitals, London) said there was a danger of patients receiving excessive amounts of streptomycin, but thought that in conjunction with surgical intervention streptomycin should be used. Professor Jorgen Lehmann (director of the Central Laboratory, Sahlgrenska Hospital, Gothenburg, Sweden), a guest speaker, said that the only side-effects with the use of para-aminosalicylic acid were inflammation of the stomach and intestines, and he considered that administering the drug in enteric-coated tablets would probably eliminate that. SOR ETIENNE BERNARD (Professor of Tuberculosis, Faculty of Medicine, University of Paris) reported on five patients with acute miliary tuberculosis, who, after treatment with streptomycin, showed apparent complete cure, but relapsed after six months or a year. Half of the patients died despite the addition of P.A.S. to the streptomycin.

At an exhibition staged during the conference the following companies were represented: Herts Pharmaceuticals, Ltd. (showing Paramisal brand para-aminosalicylic acid as the crystalline sodium salt, sugar-coated granules and sugar-coated tablets); Glaxo Laboratories, Ltd. (a display of some of the processes in the manufacture of streptomycin, etc.); Burroughs Wellcome & Co. (Sulphetrone, Physeptone and tuberculins); Boots Pure Drug Co., Ltd. (nitrogen mustard and compound Flavazole powder).

PHARMACEUTICAL SOCIETY OF GREAT BRITAI

Council of the Pharmaceutical Society of Great Britain met in London on July 5 and 6, the president (Mr. H. Clement Shaw) in the chair. The Presi-DENT announced with great regret the death, since the previous Council meeting, of Dr. Joseph Tait (resident secretary in Scotland). The Society, he said, was greatly indebted to Dr. Tait. Mr. A. A. MELDRUM said he desired to pay tribute to Dr. Tait, to whom he owed a great debt of gratitude. Dr. Tait's capacity for making and keeping his friendships was remarkable, and gatherings in Scotland were considered incomplete unless Dr. Tait was present. THE PRESIDENT congratulated Dr. C. H. Hampshire (secretary of the Pharmacopœia Commission) on being awarded the C.M.G.

The Secretary (Mr. F. W. Adams) reported that since the previous meeting forty-five persons had registered as apprentices or students, making a total of 212 for the year. The names of sixteen persons removed from the Register during previous years were restored. It was agreed that the names of 196 pharmacists who had not paid the retention fees for the current year should be removed from the Register. The secretary of the British Pharmaceutical Students' Association had written thanking the Society for a generous increase in the Society's grant to that Association.

Cultural Convention with France

The Council considered what steps might be taken to implement in the pharmaceutical sphere the Anglo-French Cultural Convention, and agreed to send a letter to the Ordre des Pharmaciens de France proposing the creation of a joint committee between the Ordre and the Society to consider whether the provisions of the Convention are applicable to pharmacy. The subjects to be discussed would be exchange of visits, exchange of research workers and lecturers, and reciprocity of qualifications.

National Health Service

It was reported that a proposal was under consideration by the Ministry of Health for the control of advertising by pharmaceutical contractors under the National Health Service, and the Council decided to ask for a deputation to be ceived by the Ministry to hear the Cocil's views. The Council noted an intir tion by the Minister of Health that would see whether there was any way which he could meet the point made Mr. Hugh N. Linstead, M.P., in a mot to amend the text of the National Hea Service (Amendment) Bill so as to ensthat the pharmacist who "has the p sonal control of the business so far as concerns the retail sale of drugs in premises to which the arrangements rel shall be responsible for the services so as they relate to the dispensing of me cines."

Branch Representatives' Meeting

The Council adopted a recommendation of the Organisation Committee that agenda of the Branch Representative meeting at Blackpool should consist of for short papers followed by questions and coussion. The subjects would be hospipharmacy and the work of three departments of the Society's activities.

Education Committee

In presenting the report of the Edution Committee, THE CHAIRMAN (A. A. Meldrum) said he desired to express on behalf of the Committee, appreciati for the services of his predecessor (A. C. W. Maplethorpe).

Mr. H. Steinman, referring to an ite "Unqualified Assistants in Pharmacy" the report, and the Committee's suggion that the whole Council might des to consider the question in committee the Monday evening preceding the not Council meeting, pointed out that no sults had been obtained from the inspitors' inquiry as yet. Mr. Meldrum se in reply that the Council was behind to that important point, and he hop it would carefully consider the matter the time suggested. Mrs. J. K. Irvis supporting Mr. Meldrum, said the mat was urgent. In her view, if the Coundid not make up its own mind, it wouldnot the decision taken by someone else.

MR. H. N. LINSTEAD pointed out the there was no doubt that the matter was no discussed in the Scottish Deparent of Health and the Ministry Health as a matter of consideral

ency. He thought, therefore, that it uld be wise for members of the Counto discuss it in order to get their own It was likely that they nds clear. uld be approached by the Ministry of alth and the Scottish Department and, h the holiday period approaching, it that be difficult to call an emergency incil meeting. Mr. Meldrum said he s asking for co-operation from members the Council to assist his committee in ng to conclude what should have been shed in June. There had been a heavy nda at the meeting the day before, and and not been possible to resume discuson the matter. He appealed to the uncil to give the committee assistance.

Question of Panic

MR. STEINMAN hoped that the Council ald not be hurried into making hasty isions, and would not be panicked into vithout the material being to hand. Mr. LDRUM replied that there was no quesof panic. The papers had been avail-for five weeks, but discussions had not n concluded on them. It was better to in easy stages than to do the whole ig at one meeting.

was finally agreed that the Council ıld meet in committee at 5 p.m. on

just 8 to discuss the matter.

evolent Fund

fiss M. A. Burr presented the report the Benevolent Fund Committee, and v attention to one item that had been tted, namely, that the Committee de-1 to express its appreciation of the k done by Mr. Brocklehurst. In the of special contributions to the Benevo-, Orphan and Birdsgrove House Funds, mentioned particularly West Ham Dist Association of Pharmacists, which had ated £50.

n the June quarter, thirty-three applions for assistance were received (same Ther as in June quarter of 1948) thirty grants made (against twenty-s n). The total of grants was £1,695 linst £1,683). Receipts in the quarter lled £2,731 (against £2,677). A donaof £50 was reported from the Phareutical and Allied Chemicals Disposals ociation, Ltd., being part of the balance aining after winding-up the Associa-. It was also reported that a contribut of £67 4s., received from Wolver-h upton Branch of the Society in 1949 was part of the 1948 contributions from that branch, the total for the year repre-

senting 14s. a member.

Mr. T. HESELTINE asked whether the people who lived at Birdsgrove House attended the meeting of the subcommittee. Mr. Linstead replied that, as a matter of courtesy, they had been invited to attend the next meeting. In 1948 they had been asked to retire while the question of

co-option was considered.

Mr. Heseltine suggested that those members should not be invited to Birdsgrove House during that particular week, and the President asked Mr. Heseltine whether he would like the Committee to make co-options at the Society rather than at Birdsgrove House. Mr. Heseltine replied he would prefer the Council to do it.

Mr. LINSTEAD pointed out that it was not desirable to change the constitution of the Committee, which had been given the

power to co-opt.

Mr. Meldrum asked whether the Birdsgrove House Committee was properly constituted, and whether it had an appointed secretary, and Miss Burk replied that the secretary of the Committee was the secretary of the Society.

Proposed New Branches

An application was received from members of the Cardigan, Carmarthen and Pembrokeshire Branch, asking for permission to form a separate branch for Carmarthenshire in view of the scattered area covered by the branch. It was decided to ask members for their views on the formation of three branches, one for each county.

Electoral Canvassing by Branches

Arising from a letter from the Plymouth Branch, it was decided, on the recommendation of the Organisation Committee, to issue a statement that the Council saw no reason why a Branch should not recommend its members to support a particular candidate or candidates, but deprecated the sending out by a branch of communications to other branches asking for their support.

The Law Committee reported that in May 1949 the Society's inspectors and agents visited 1,042 authorised sellers, 227 listed sellers, and 457 drug store proprietors and similar traders. Thirteen cases of alleged infringements of the Pharmacy Acts were considered and appropriate

action taken.

TESTING FOR PREGNANCY

Use of male toads of the species Bufo woodhousii and B. americanus as test animals in the diagnosis of early pregnancy is described by McCallum and White-head ("Science," May 20, p. 518). The method is based on the release of spermatozoa in the urine as the result of the injection of human pregnancy urine. In each test carried out 5 mils of a urine sample was injected into the toad's dorsal sac. Samples of toad urine were collected, usually three hours later (by introducing the tip of a small pipette into the cloacal orifice) and examined microscopically for the presence of spermatozoa. One toad, it was found, could be used up to eight times with no apparent decrease in efficiency. In 140 tests the results (seventy-five negative and sixty-five positive) were later proved clinically correct. The earliest positive result was obtained eight days after the first missed menstrual period. In sixty-nine comparative tests using the (a) Friedman or Aschheim-Zondek methods, and (b) the toad method, on the same samples, the results were in agreement except in one case (in which clinical follow-up was impossible). The toad method proved unreliable for urine specimens collected after the sixth month of pregnancy. Indian workers (Bhaduri and Bardhan, ibid., p. 517) using the male toads, Bufo melanostictus and B. stomaticus, and male frogs, Rana tigerina, in 130 similar tests, also achieved results that were subsequently confirmed by clinical follow-up.

Use of English Toad

The use in pregnancy tests of the English toad, Bufo vulgaris, is described by Klopper and Frank ("Lancet," July 2, p. 9). After catheterisation to ensure the initial absence of spermatozoa, male toads were injected with 2 mils of urine beneath the dorsal skin, and test specimens of toad urine examined microscopically one, two, three and four hours after injection. In 101 tests there were fifty-one positive results, all later confirmed clinically. Of the fifty negative results, fourteen were from non-pregnant controls, twenty-eight were later confirmed clinically, and eight (six of which were tested within two weeks of the first missed period) proved to be false. In twenty-three of the tests in which Aschheim-Zondek tests were carried out at the same time, there were two cases in which both tests gave false negatives. It is suggested that the false negatives were up to the presence of subcritical amour of chorionic gonadotrophic hormone in hurine used: the tests remained consist the negative when repeated with the urine on other toads. The authors of clude that, even at its present stage of development, the male toad test seen to be "eminently serviceable" if negative sults are checked by Aschheim-Zoelests.

A comparison of Aschheim-Zondek in Hogben pregnancy tests carried out a horegnancy diagnosis centre of Edinle University is reported by Landgrebe in Hobson ("British Medical Journal," 12, p. 17). The Hogben test (which pends on the occurrence of ovulatic it the toad as a result of the injection in the dorsal lymph sac of pregnancy to is described as more reliable and less a half as expensive as the Aschheim-Zotetst, Some of the toads that had been more than forty times for the Hogben so were continuing to give consistent in reliable results.

NEW BOOKS

Pharmaceutical Pocket Book.—Fift the edition. 7 x 4½ in. Pp. 427. Pharmaceutical Press, 17 Bloomsbury Square, Long W.C. 1. Revised to take account of the brought about by (a) the publication of 1948 Pharmacopæia and (b) the Nata Health Service, the Pocket Book pritself once again a most valuable text for the student and reference book for pharmacist. The new official method sterilisation, preparation of injections, are dealt with, and a number of section forensic pharmacy, biochemical alysis, etc.) have been widened in sco

A New Notation and Enumer System for Organic Compounds. Malcolm Dyson, M.A., D.Sc., P. F.R.I.C. 9½ in x 6 in. Pp. 138. 10s Longmans, Green & Co., Ltd., 6 Cli Street, London, W.I. The author put ward in this second edition, in the for a definitive proposal for an internat system, material made deliberately p cative in the first, and now modific meet criticisms received. As an exama a more logical statement of the retimethod of describing ring systems repetite adduction principle adopted in original monograph.

SUPPLY OF APPLIANCES BY HOSPITALS

Minister of Health has issued to pital authorities a memorandum outing the arrangements made for the ply, through the hospital and specialist ices, of appliances required for perent or semi-permanent disabilities, memorandum does not normally apply—(a) Electrical hearing aids, glasses, ficial eyes and dentures; (b) appliances articles required temporarily during ve hospital treatment as in-patients or patients (e.g., splints, crutches); or (c) cles required for the home treatment out-patients and discharged in-patients.

cialists to Prescribe

Appliances not specified in the Third edule of the National Health Service Medical and Pharmaceutical vices) Regulations, 1948, as amended, y be provided without charge, says the morandum, only through the hospital specialist services. A general practiher who considers a patient needs such appliance should arrange for the ient to attend at a hospital for examtion by the specialist staff, who will be ponsible for prescribing the appliance t suited to the patient's disability. All ds of surgical and medical appliances y be provided through the hospital and cialist services; it is for the specialist f to prescribe whatever appliance is isidered necessary. A hospital may order l provide an appliance for a patient y when the patient has been examined I the appliance prescribed by or under direction of a hospital specialist at a pital or clinic or on the occasion of a niciliary visit. Hospitals may not proe appliances prescribed for private tients at specialists' private consulting ms nor appliances that have been preibed by practitioners not on the hospital

ntral Contracts

Arrangements have been made for the ordination of supply by a system of itral contracts negotiated on behalf of Ministry of Health by the Ministry of nsions. A list of firms, showing the pliances which each is under contract supply, has been sent to hospital authoris. If there is any firm supplying mediand surgical appliances that is not on list and which any Board or Managent Committee desires to be added to the

list, the Director of Contracts and Supplies, Ministry of Pensions (L.A.), Norcross, Blackpool, will consider bringing that supplier under contract. Hospitals should place orders only with those firms under contract to the Ministry of Pensions. It is for the hospital, not the patient, to choose the firms in the list with which orders are to be placed, but it may sometimes be advantageous to place the order with the firm with which the patient has dealt in the past as that firm may have the necessary measurements and knowledge of the patient's disability and may thus be able to supply the appliance with a minimum delay. Where necessary, arrangements can be made with the contractors for the attendance of a fitter at the hospital or clinic to take necessary measurements at the time of placing the order and, later, to fit the completed appliance to the satisfaction of the hospital specialist staff. Completed appliances are not normally given direct to the patient by the contractor but are sent to the hospital so that the specialist staff may examine the completed appliances on the patient to ensure that they conform to the prescription and are satisfactory in manufacture, fit and function. The appliances which are provided are to be "of best workmanship and design and functionally efficient." A patient who wants a more expensive appliance must make his own arrangements and meet the whole cost (except for glasses, dentures and artificial limbs, when a patient may elect to pay the additional cost of more expensive types that have been approved by the Minister).

Belts, Brassieres and Corsets

The National Health Service does not provide standard ready-made articles (e.g., belts, brassieres and corsets) such as are often worn as items of normal clothing; they should be purchased by patients under their own arrangements. The National Health Service may provide supports only where there is some abnormal condition which cannot properly be met by standard ready-made articles; for such patients, supports specially made to suit the individual requirements may be prescribed and provided. Wigs may be provided only where baldness is congenital or due to a disfiguring accident or pathological condition and the wigs are considered necessary by a hospital specialist.

BRITISH MEDICAL ASSOCIATION MEETING

Although none of the sectional meetings at the Annual Meeting of the British Medical Association at Harrogate, June 28-July 1, was devoted specifically to pharmacology and therapeutics, there were in various sections a number of pharmaceutical references. Dr. W. C. Cockburn described how Medical Research Council trials on the prophylactic use of pertussis vaccine were being organised in eight different areas. In a discussion on rheumatoid arthritis in the young, reference was made to treatment with A.C.T.H. (adrenocorticotrophic hormone) and cortisone (compound E). Dr. J. P. CAPLAN said that emetine sometimes proved disappointing in treating chronic intestinal amœbiasis. He thought the reason might be that much of the present material was prepared by a new method, the synthetic methylation of cephaëline. Hetrazan was described as being effective in loaiasis and filariasis, and Miracil was said to have cured infections with S. haematobium. Dr. Andrew Wilson outlined attempts that had been made to prepare derivatives of morphine without undesirable side effects, e.g., heroin, Dilaudid, Metopon, the pethidine series and the Physeptone derivatives. All the analgesic drugs so far tested were, he said, potentially drugs of addiction; more control call methods of assessing the likelihood addiction to new drugs were needed.

In the section on child health there some criticism of the instructions given tins of artificial infant foods, and one sp ker said the basis should be expec weight, not age. Another thought the mu plicity of foods available encouraged necessary feeding changes. In a discuss on nasal allergy, MR. R. R. SIMPSON 5 local applications in the nose should isotonic with the nasal secretion and above 1 per cent. in strength. Professional R. B. Hunter described the effect of a histamine drugs in perennial vasomorhinorrhœa. All patients under trial w given dummy tablets for fourteen days, d ing which period 5 per cent. were cur Of the rest, 54 per cent. were cured a: one month's treatment with Anthisan, ; of these nearly two-thirds were still syr tom-free after fifteen months, MR. GERRIE said elixir of Benadryl had prouseful in the treatment of allergy in yo ger children, and Anthisan in older c dren. In the ophthalmology section, N. McAlister Gregg spoke on the va of hydrogen peroxide and liquor tinctori in the treatment of blepharitis,

BRITISH AROMATIC COMPOUNDS

THE annual meeting of the British Aromatic Compound Manufacturers' Association was held in London on June 29, Mr. Cecil Bush (chairman) presiding. In his report on the work of the year, The Chairman specially referred to the setting up of an Aromatics Advisory Panel at the instiga-tion of the Board of Trade. He explained that this Panel consisted of representatives of B.A.C.M.A. and of the Toilet Prepara-tions and Perfumery Manufacturers' Federation of Great Britain, and that its object was to advise the Board of Trade on the suitability of British-manufactured aromatic products as substitutes for comparable products at present being imported from hard-currency sources. He referred to a further relaxation that had been made by the Board of Trade in that the 75 per cent. re-export condition on imports of aromatic materials from Switzerland and colonial territories had been dropped. The position now was that only imports from certain hard-currency areas were subject to the re-export undertaking.

After giving a short summary of Essential Oils Control position, he di attention to efforts that had been made the Association during the previous y to bring about a general adoption of hydroxylamine test for the determinat of citral in lemongrass oil. He said it generally recognised that the test v greatly superior to the bisulphite abso tion test, but that shippers of the oil h not so far seen their way to accept The Association would, however, contin to press the matter, and was seeking support of representative users' and porters' organisations in the principal b ing countries. The original objection the shippers was that the test was complicated and expensive, but the As ciation had issued an explanatory mem andum and instructions for a modif form of the test, and these clearly show its practicability. It was therefore to hoped that the shippers would eventua see their way to fall into line, since th was no doubt that the adoption of the t

buld be in the interests of the trade. concluding his report, the chairman pressed his thanks to the secretary and aff and to the members of the executive mmittee for their support during his rm of office. He referred in particular Mr. F. A. Rowsell (vice-chairman) and pressed regret that, for reasons of health, r. Rowsell would not be able to stand r election to the chair. He moved, and e meeting unanimously adopted, a resotion of appreciation to Mr. Rowsell for s services to the Association and to the ide, and expressed the hope that he

would in due course be restored to full health and once more able to take an active part in the Association's affairs. The following officers were elected for the year: Chairman, Mr. A. J. Plastow (W. H. Hobbs & Co., Ltd.); Vice-chairman, Mr. R. F. Gillham (Chas. Zimmerman & Co., Ltd.); Committee, Messrs. C. F. Bush (W. J. Bush & Co., Ltd.); S. R. Mansfield (Polak & Schwarz (England), Ltd.); W. Naumann (W. Naumann & Sons, Ltd.); J. A. Pentecost (A. Boake Roberts & Co., Ltd.); and W. G. Slater (Essences & Synthetics, Ltd.)

METAL PRICES REDUCED

ices of copper, lead and zinc in Britain re changed on July 12 and 13. Reductions the selling prices, taking into account ight, delivery charges and other factors, ing British prices for copper, lead and ic into line with those current in the S.A. The Ministry of Supply states that e Exchequer will have to bear a loss, the e of which depends on how future price evements affect values of stocks in hand. cause of the present unstable nature of e market in non-ferrous metals, the Minry has, for forward purchases, instituted new arrangement under which users can ntinue to buy forward up to six months' quirements of copper and zinc, and three onths' requirements of lead. The buyer ll have to pay a premium as an insur-ce against a rise in prices. The new ce against a rise in prices. The new ces per ton, delivered, are: Electrolytic per, £107 10s.; soft pig lead, £75; od ordinary brand zinc, £58. Discounts d premiums remain unchanged. Prices zinc oxide were also reduced (by £17 r ton) and the new prices for lots of not s than two tons, delivered buyer's emises, are: Red seal, £58 15s.; green ll, £60; white seal, £61.

In announcing the above reductions in tal prices the Ministry of Supply states he Ministry has continued since the war buy the United Kingdom's requirements non-ferrous metals, and has fixed the ling prices. Recently, world prices of see metals have been falling heavily, but are are now signs that the market is mer. The Ministry's purchases of zince d lead have been made normally on a ree-monthly basis, so that if the Ministry to cover its costs it cannot reduce its ling prices at the same time as the fall the prices of the metals on the Amerin market. Copper purchases in some

cases are made six months ahead, and reductions in selling prices, to accord with American prices, cannot be made without incurring substantial losses. The Ministry's policy has had three main objects:—(a) To maintain an adequate supply of metals. Lead, which has been extremely scarce, has been rationed, but essential needs have been met. Adequate supplies of copper and zinc have been available to British consumers. Manufacturers have not needed to maintain stocks to protect their posi-tion, but have relied on the Ministry. Although the demand in America has been keen, and some countries have gone short, every essential need has been met in Britain during the period of scarcity. To get as much as possible from sterling sources, and to keep the dollar drain to The long-term arrangethe minimum. ments with Commonwealth producers have made this possible, and have materially helped our dollar problem. (c) To sell to industry at fair prices. When world prices were continually rising the Ministry deferred increasing selling prices, and so gave industry the benefit of its forward purchasing arrangements. The Ministry is now prepared to sell its stocks and purchases at current prices.

COMING EVENTS

Wednesday, July 20
BRIGHTON AND HOVE BRANCH, PHARMACEUTICAL SOCIETY. Afternoon coach excursion to Amberley (cost, 7s. 6d. per person, including tea).

Thursday, July 21

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Summer meeting. Horse and Wells Hotel, Woodford, at 2.45 p.m.; walk to Butler's Retreat, Royal Forest Hotel, Chingford, for tea at 5.30 p.m., followed by meeting at Royal Forest Hotel at 7 p.m. Mr. Joseph Hearle (chairman, National Pharmaceutical Union) on "National Health Service Difficulties."

SIMPLIFIED BOOK-KEEPING

By S. Howard Withey, F.Comm.A.

9.—Booking Orders

ARIOUS methods of recording orders are in use at the present time, and some manufacturing chemists prefer to set down details on loose printed sheets forming part of a slip system of book-keeping. Until such time as the goods have been supplied, the sheets are usually

be inserted, together with full partice of the goods, etc., required. A separe column or section may be needed for cording unit prices, and when the g is have been delivered or called for the cof supply should be entered, together had description of the goods actually plied. A pattern is indicated below:—

Date	Order No.	Name, etc.	Goods required	Unit price	Date of supply	Goods supplied	Sales book	Cash book	Remar
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retained in a folder or on a file, and when an order has been fulfilled the order sheet can be placed on another file or bound with other fulfilled orders in book form.

Loose forms of one kind or another are now a practical necessity in any office but, as applied to orders received from customers, they carry a number of disadvan-tages. Experience has proved that some of the forms are filed away before all the instructions have been properly carried out or before the full sale prices and charges have been entered in the ledger. Some chemists keep a duplicate book which consists of thin tissue leaves and write out the orders obtained on the pen or pencil carbon-copy principle, a separate sheet being used for each order, and this enables the original form to be handed to the assistant or transferred to the department immediately concerned in the execution of the particular order and an authentic copy to be preserved intact for future reference. So soon as goods have been supplied, both the original and the carbon copy of the order may be cancelled and, if a money column is ruled down the righthand margin of each page of the duplicate book, the charging prices may be inserted without delay and debited direct to the personal accounts. If more than one carbon copy is considered necessary or desirable, a manifold order book should be kept. The most satisfactory method of booking orders, however, consists of entering the details in a special order book kept for the purpose.

The ruling for an order book will depend on the size of the business and the class of trade, but the date on which each order actually came to hand and the name and postal address of the customer must

Directly an order is received the first e columns can usually be filled in, an f any conditions or stipulations accomy the order they can be noted in the rem s column. Until such time as the g s have been supplied the other columns I remain open, and although in the maje y of instances the details shown up to "Goods supplied" may correspond to those entered in the column head "Goods required."

Fulfilled Orders

As references will have to be made; assistants from time to time an eft should be made to facilitate matters, Il when all the orders on one page have to fulfilled—as evidenced by the insertion sales book or cash book references—it good plan to rule a neat line diagon across the page from corner to corner. ? will save much time and trouble, but should be exercised to ensure that no p is marked off in this way until all the structions have been carried out. Entwithout a sales book or cash book re ence number will, of course, constitute unfulfilled orders demanding the person attention of the proprietor or manager, all orders that appear to have been of standing for an unduly long time sho be subjected to investigation. When vellers' orders are sent in on ruled for each item should give the full name address of the customer and a detailed cription of current requirements, and authority has been given to collect c standing accounts a combined cash : order form will be found useful, the c records giving the amount of cash collect in each case, the allowances made, and balance, if any, still outstanding.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Two Codes?

R,—It really does seen strange that lecision was returned by the Statutory mittee in the "Boots" case (see \$\mathcal{B}D., June 11, p. 774). It looks as if private chemist, if he unwittingly ks the code, must needs at once way and "apologise" while the mulcan commit the same "crime" and the Society. Is it not time that this tion was remedied once and for all?

Ouidnunc.

Scottish Training Facilities

R,—According to Mr. A. A. Meldrum, king at the annual meeting of the tish Department of the Pharmaceutical ety in Edinburgh, the man-power plem has assumed such proportions that Society has in mind a survey of pharists on the Register. This would apto be of little value from a statistical dpoint, unless the Society considers direction of pharmacists is within the ms of possibility. The remedy for the ent shortage in Scotland is rather to nd the facilities for those wishing to r the profession. At present the only ol of pharmacy in the West of Scot-l is Glasgow Technical College, where training facilities now provide only the Ph.C. and B.Sc. courses, and even hese the numbers are limited. Students may wish to take the Chemist and iggist Qualifying examination are subed to a "sales talk" on the Ph.C. and c. courses, with accompanying disparagent of the "shopkeeper" qualification, are eventually told to go to Edingh for classes. One such apprentice now, owing to this lack of provision M.P.S. classes in Glasgow, decided to vide another example of the problem the unqualified in pharmacy. Another ent who, because she did not have her mathematics in her school-leaving tificate, sat that subject in the Univerpreliminary examination and received certificate of fitness in August 1948. immediately applied for admission to Ph.C. classes in the Technical College that year, but was refused on the unds that the classes were full. Only week she was again refused entrance this year. The year of practical instruction, which she has taken while waiting for the gates of pharmacy to open, is not even recognised as part of her instruc-tion, and it seems she has another year of frustration in front of her. There may be many more such cases. Students leaving school this year evidently will have no opportunity of entering pharmacy, as from the foregoing it is evident that they are not even to be considered, and according to the new regulations they cannot under-The Society take the practical course. should remedy this by opening another school in the West of Scotland. Paisley Technical College would be a suitable centre for the Society's own examinations, leaving the Glasgow Technical College to concentrate on the degree course.

G. M. C. STEWART,

Managing director,

Glasgow. Frazer & Green, Ltd.

[Under the new education regulations, the one-year course for the Chemist and Druggist qualification is discontinued. Practical training lasts two years if taken before the academic course, one year if taken after it.—Editor].

Threat of Cut Prices

Sir,—After reading in your issue of June 25 (p. 826) a statement by the secretary of the Proprietary Articles Trade Association on the Resale Price Maintenance Report, I have expected eager backing for his views, but have seen one comment only. Restriction of profits in the distributive trades is of extreme importance to chemists, and should be discussed by every organised body, within its own compass. From conversation with other chemists I gather that the overhanging threat is regarded as applicable only to large firms and combina-tions; it is more than that. The reasonable margins of profit secured by half a century of striving are no more than is fair and necessary. This can be substantiated by working expenses to be 20 per cent. or more on total turnover. My trading experience goes back more than sixty years and I view with dismay any approach towards conditions such as benumbed us at the end of the nineteenth century.

Yours faithfully, Bedford. H, S, Brown.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quarties of standard quality. Prices of crude drugs and essential oils vary as to brand or grades of the control of the c

28 Essex Street, W.C.2, July 13
The markets, generally, have reflected the uncertainty brought about by the dollar crisis, and trade in Botanical Drugs is at a low level. There has been more inquiry for drugs of American origin but, as holders are not disposed to accept bids, little business has been done. No improvement has occurred in supplies of the betment has occurred in supplies of the better grades of Alexandrian Senna Pods, which are in good inquiry. It is under-stood that the shipment market for Tinstood that the shipment market for innevelly pods is easier. Ergot is still unobtainable, Inquiry for good-quality Calumba root is reported but there are no supplies on the market. QUILLAIA is also in short supply on the spot; prices of this bark are higher at origin. In spices, of this bark are higher at origin. In spices, Zanzibar Cloves are a firm market while African Ginger is steady on the spot at the higher value of 180s, per cwt. Demand for Pharmaceutical and Fine Chemicals continues on a routine scale. Zinc oxide, B.P., has been reduced in price by £17 per ton as from July 12, following the announcement (see p. 89) of the contract of The Chemical Chemica lowing the announcement (see p. 82) of lower price for the basic metal. The new basic price for lots of 2 tons and over is £69 15s. The reduction is the fourth in the last four months. A moderate business has been done in ESSENTIAL OILS during the past week. Chinese star Anise on the spot has been sold at 5s. 8d. wer like in damage and constitions are seen. per lb. in drums and quotations are now at 5s. 9d. There are no forward offers with the exception of a small parcel affoat which is also quoted at 5s. 9d., landed value. Lemongrass continues a firm marwatte. Lemongrass continues a firm market while the price of Lime has risen to 38s, 6d, per lb., spot. The Ministry of Food has announced reductions in the prices of Castor oil, firsts and seconds (see p. 95). Linseed oil is also reduced in price—from £150 to £138 per ton.

U.S. Drug and Chemical Report New York, July 8

A STEADY market is reported for PHARMA-CEUTICAL and FINE CHEMICALS at the beginning of the third quarter of the year, despite a lower level of buying. Prices of CINCHOPHEN, however, have been reduced by 50 cents per lb. In 100 lb. lots it is now \$4.00 per lb., while the SODIUM DERIVATIVE is \$5.00 per lb. for similar quantities. MENTHOL is quoted at \$10.75 per lb. but it is thought this price would be shaded for a large order. Offerings of menthol from China are being made at the rate of \$10.40 per lb., landed, duty paid. Among CRUDE DRUGS, there is little demand for PAPAIN, despite lower prices, and BENZOIN is selling below replacement costs. The arrival of new-crop SENEGA has caused a substantial reduction in quo-

tations. Supplies of old-crop Podophyll are low and new-crop root prices a firmly held. Some Liquorice root is ported to have arrived from Russpices have been showing considerastrength although demand has been sm. African Ginger has increased by six ce to 34-35 cents per lb. and there have be smaller increases for Jamaican produalthough distillation of the new-clime oil is under way, supplies are likely to reach the market in time to me the current seasonal demand. The primarkets for Citronella, Lemongrand Ginger oils are reported show a firmer tone, and a number of ot foreign oils are quite firmly held. A considerable improvement has been noted the Aromatic Chemicals market, a foreign inquiry for a wide range of poucts has increased substantially.

Pharmaceutical Chemicals

ACETONE.—Makers' contract prices ton are as follows:—In 40/45 g drums: Less than 1 ton, £70; 1 ton, £0 tons to 50 tons, £68; 50 tons and ox £67. Smaller quantities are quoted at per ton in 5-gall, drums and £85 per ton 10-gall, drums.

AMPHETAMINE. — Quotations for B and Sulphate are from 115s. to 120s. lb. d-Amphetamine is 26s, per oz.

Atropine.—Steady. Makers' rates oz., are: Alkaloid, 41s. 3d.; 4 oz., 40s. 925 oz., 40s. 3d. Sulphate, 32s. 9d.; 4 32s. 3d.; 25 oz., 31s. 9d.

Barbitone. — Base and soluble offered at prices from 42s, to 44s, per lb

Barium Sulphate (x-ray).—Prices unchanged, 1 cwt., 1s. 3d. per lb. Sched rates per lb. (containers in brackets), quantities between 28 lb. and 1 cwt. as follows: 1s. 8d. (1-lb.), 1s. 7d. (2-l 1s. 6\frac{1}{2}d. (4-lb.), 1s. 5\frac{1}{2}d. (7-lb.), 1s. (14-lb.), 1s. 4d. (28-lb.).

Benzocaine. — Home-trade prices unchanged at from 50s, to 52s, per lb.

nnchanged at from 50s, to 52s, per lb.

Bromides.—Makers' rates in the Un'
Kingdom and Eire for Potassium, F
(crystal) and Sodium, B.P., are as
lows:—5 cwt., 2s, 4d.; 1 cwt., 2s, 5
28 lb., 2s, 11½d.; 14 lb., 3s, 2d.; 7
3s, 3d, per lb. The potassium salt
powder is 1½d. per lb. more than the fg
going prices.
Ammonium, B.P.C., is
per lb. more than the potassium sodium salts. Terms: Prices net, 1-c
cases or kegs charged; 28-lb, parcels fr
smaller containers charged extra, Sched
quantities may be made up of assor
salts down to 28 lb.

Calamine. — Quotations for 1-cwt, are at 1s, $8\frac{1}{2}$ d. per lb,

CITRATES. — Prices are as follows:—
TASSIUM, 5-cwt. lots, 2s. 10½d. per lb.;
cwt., 2s. 11½d.; scheduled prices for
antities of 28 lb. to 1 cwt. are (coniners in brackets): 3s. 9½d. (1-lb.);
8d. (4-lb.); 3s. 7d. (7-lb.); 3s. 6½d.
4-lb.); 3s. 5½d. (28-lb.); IRON AND AMNIUM CITRATE, B.P., 7d. per lb. more;
DIUM, B.P., 3d. per lb. less; powder, 1d.
r lb. extra. r lb. extra.

CITRIO ACID, B.P. — In good request. akers quote 1s. $5\frac{1}{2}$ d. per lb., less 5 per nt, fo**r** 1-cwt. lots, delivered in the U.K.

COCAINE.—The following revised stan-rd prices and terms of sale came into eration on June 1. Alkaloid, CITRATE es free, net, monthly account, carriage id.

CYCLOBARBITONE.—Makers' prices for all quantities are from 79s. 5d. to s. 11d. per lb. The CALCIUM derivative available at the same prices as the base.

-Steady. EMETINE.-Makers' rates per EMETINE.—Steady. Makers rates per are as follows: Hydrochloride, 1 oz., 7s.; 4 oz., 180s.; 16 oz., 177s. 6d.; 32, 175s. BISMUTH IODIDE, 1 oz., 96s. 6d.; oz., 95s.; 16 oz., 93s. 6d.; 32 oz., 92s.

ETHER.—Current rates for the home ade are as follows: Solvent, B.P., 1 n, 1s. 10½d.; 10 cwt. 1s. 11½d.; 5 cwt. 0½d.; smaller quantities, from 2s. 1½d. 2s. 6d. per lb. Anæsthetic, B.P., 1 , 2s. 5½d.; 10 сwt., 2s. 6½d.; 5 сwt., . 7½d.; 1 cwt., 2s. 8d.; smaller quantities, om 2s. $9\frac{1}{2}$ d. per lb. Technical is $1\frac{1}{2}$ d. per less than solvent ether. The foregoing ices are for ethers packed in winches rs; in carboys or drums prices are 1½d. r lb. less.

GUAIACOLS.—LIQUID is offered at prices om 14s. 6d. to 16s. 6d. per lb., and crys-l and Carbonate, 14s. to 15s., according quantity.

HEXAMINE, — B.P. is quoted at from . 8d. to 2s. per lb., as to quantity. HEXOBARBITONE,—Quotations are in the gion of 77s. per lb.

Homatropine.—Makers' prices per oz., e as follows (prices per gm. in brackets): LKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; b oz., 87s. 6d. (4s.). Hydrochloride, YDROBROMIDE and SULPHATE.—1 oz., 75s.; oz., 70s.; 16 oz., 65s. (3s. 2d.).

ISOPROPYL ALCOHOL. - Makers quote s. 3d. per gall. for small lots.

PHENOBARBITONE. — Home-trade prices re unchanged at from 35s. per lb., upards, according to quantity.

Phosphates, — Steady. Makers' rates per lb. are as follows: Sodium, B.P., 1 cwt., 61.; 28 lb., 7½d, Sodium acid, B.P., crystals, 1 cwt., 1s. 9d.; 28 lb., 2s. Potassium, granular, 4s. 2d.; powder, 4s. 5d. (for 7-lb. lots). Ammomium, B.P.C., 1 cwt., 2s. 6d.; 28 lb., 2s. 10d. Phosphoric acid, B.P. (concentrated), is from 1s. 2d. to 1s. 3d. in carboys and from 1s. 5d. to 1s. 9d per lb. in winchesters. 1s. 9d. per lb. in winchesters.

PILOCARPINE. — Makers' prices are unchanged. Rates per oz. are: Alkaloid.—
1 oz., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s.
Hydrochloride.—1 oz., 34s. 9d.; 4 oz., 33s. 3d.; 25 oz., 32s.
NITRATE.—1 oz., 33s. 3d.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.
Potassium acetate, B.P.—Fine granular is 2s. 1½d. per lb. in 1-cwt. lots.

RESORCIN.—Current prices range from 11s. to 11s. 6d. per lb.; Monoacetate is from 14s. 6d. to 17s. 6d. per lb., according to quality.

Tannic acid. — Current quotations for B.P., levis, ex ether, are from 8s. 6d. per lb.

Tartaric acid, B.P. — British makers' current scales are:—10 cwt. and over, 170s.; 5-9 cwt., 172s.; 2-4 cwt., 174s.; 1 cwt., 176s. per cwt., delivered.

TEREBENE.—Quotations from makers for pharmaceutical quality (B.P., 1932) are 3s, 2d, per lb., in carboys and from 3s, 3½d. to 4s. 2d. per lb. in winchesters.

TERPINEOL.—Prices for B.P. grade are from 2s. 9d. to 3s. per lb.

THEOBROMINE.—Makers' prices per lb. are: Alkaloid, B.P.C., from 32s. 6d. to 37s. 6d.; Calcium salicylate and Sodium SALICYLATE, B.P., from 19s, to 24s.; SODIUM BENZOATE, 21s. 6d. to 25s. 6d. Assorted orders may be booked, with the exception of theobromine and sodium benzoate (caffeine alkaloid and salts may be included). Containers: 14-lb. and 28-lb. tins, free; other packages charged extra. Carriage paid on orders of £20 value and

over.

Valerianates. — Makers' rates per lb. are as follows: Ammonium, 14 lb., 37s. 6d.; 7 lb., 38s.; 1 lb., 39s. per lb. Amyl, 14 lb., 23s. 6d.; 7 lb., 25s.; 1 lb., 26s. per lb. Caffeine, 14 lb., 105s.; 7 lb., 107s. 6d.; 1 lb., 110s. per lb. Calcium, 14 lb., 33s.; 7 lb., 34s.; 1 lb., 34s. 6d. per lb. Ethyl, 14 lb., 32s. 6d.; 7 lb., 33s.; 6d.; 7 lb., 54s. 6d.; 1 lb., 55s. 6d. per lb. Menthyl, 14 lb., 57s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 32s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 32s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 32s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 51s. 6d.; 7 lb., 58s.; 1 lb., 59s. per lb. Methyl, 14 lb., 54s. per lb. Quinine (B.P.C.), 100 1 lb., 34s. per lb. Quinine (B.P.C.) 100 oz., 12s.; 50 oz., 12s. 6d.; 20 oz., 13s. 6d. per oz. Zinc, 14 lb., 53s.; 7 lb., 54s. 6d.

ZINC OXIDE.—Reduced prices (from July 12) per ton for B.P. quality are as follows:—2 tons and over £69 15s.; 1 ton and under 2 tons, £70 5s.; 3 cwt. and under 1 ton, £71 5s.; under 3 cwt.,

£72 15s., delivered,

Crude Drugs

Aconite.—Indian, on the spot, is offered at 275s. per cwt.; napellus, quoted at 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—Kobé strip is offering at from 13s, 6d, to 15s, per lb., according to quality. South African powder, in tins in cases, is quoted at 18s, 3d, per lb., spot.

Aloes.—Prime Cape is offered at from 110s, per cwt, on the spot; shipment, 102s. 6d., c.i.f. Curação is quoted at from 180s, to 185s, per cwt. on the spot, and Socotrine at 170s.

Antimony.—Metal prices are: 99.6 per cent. regulus, £170 per ton, delivered; 99 per cent., £160; 70 per cent., crude, £130.

Areca Nuts.—Quiet. Spot quotations are in the region of 57s. 6d. per cwt.

Asafetida.—No improvement in demand. Persian block on spot is offering at prices from £14 10s to £24 per ewt., according to grade.

Balsams.—Canada on the spot is steady at from 14s, 6d. per lb. for oll-crop material. Pará Copaiba. B.P., 5s. 9d. per lb., on the spot. San Salvador Peru, 4s. 9d. per lb., duty paid. Tolu is quoted at 9s. 4½d. per lb., spot; July-August, 8s. 9d., c.i.f.

Belladonna.—Jugo-Slav root is quoted at from 3s. 9d. to 4s. 9d. per lb., duty paid, as to test; shipment, 3s., c.i.f. Jugo-Slav leaves (B.P.) are offered at 4s. 2d., duty paid. English leaves are offered at around 5s. per lb., as to test.

Benzoin.—Sumatra block, on the spot, is offered at around £16 10s, per cwt.; sbinment, £16 c.i.f.; Sumatra free almonds are quoted at £45 per cwt. Siam block (small almonds), £118 per cwt., spot.

BISMUTH.—Metal is quoted at 10s. 6d. per lb., net, in minimum lots of 5 cwt.

BLACK HAW.—Root bark is offered at 4s. 6d. per lb., duty paid; tree bark, 3s. 3d., duty paid.

BUCHU.—New-crop short rounds, on the spot, 3s. 8d. to 3s, 9½d. per lb., as to quality; forward, 3s. 5d. per lb., c.i.f.

Calabar beans.—Steady. Spot quotations are from $10\frac{1}{2}$ d. to 11d. per lb.

CAMPHOR.—Chinese tablets are offered at from 7s, 6d. (\frac{1}{2}\daggeroz\) to 8s. (\frac{1}{2}\daggeroz\) per lb.; refined natural powder (B.P.), 6s. 3d. to 6s. 6d.; slabs (\frac{2}{2}\daggerous\) 1b.), 7s. 3d., spot, London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb., and technical at 3s. 9d. per lb., in 100-lb. lots.

CANTHARIDES.—Quiet. Chinese on spot is offering at 7s. per lb.

Capsicums.—African on spot is offered at 80s, to 140s, per cwt., as to quality.

Cascara sagrada.—Rather more inquiry but business remains on a low level, 1946 peel is offered at 185s, per cwt., duty paid; 1947 is quoted at around 170s, pewt., duty paid, but there is one seller 165s.; 1948 peel is offered at from 160s, 165s. per cwt., duty paid. No busin is reported in new-crop which is offer at source at the equivalent of 135s., c.

CHILLIES.—Mombasa is quoted at 16 per cwt., spot; no offers of Sierra Lec or Nigerian produce.

CINCHONA. — Tanganyika Ledgerian good bright thin quilly chips (T.A., 9 per cent.; quinin. sulph. (B.P., 1948), 8 per cent.; cinchonidine, 0.96 per cent) offered at 2s. 11d. per lb., spot. Corsuccirubra, fair reldish, bright branstem and root chips (T.A., 5.59 per cen S.Q., 2.39 per cent.; C., 0.97 per cent.) quoted, ex wharf London, at 2s. 4d. 1 lb. A parcel of Tanganyika hybrid brig selected broken quill (T.A., 5.73 per cen S.Q., 3.24 per cent.; C., 1.4 per cent.) offering at 3s. per lb., spot. Uganda lbrid, dull and earthy root chips (T. 7.03 per cent.; S.Q., 3.43 per cent.; 0.87 per cent.) offered at 1s. 4d. per spot. Uganda Loxa-type, branch and the twiggy chips, mixed with small (T.A., 3 per cent.; S.Q., 2.08 per cent.; C., 0 per cent.), is quoted at 1s. 2½d., spot.

CLOVES.—Zanzibar is quoted at 1s. 2 per lb., spot; July-August shipme 1s. 1½d., c.i.f. Madagascar is quoted 11¼d. per lb., in bond; shipment, 11d., c. Penang is quoted at 3s. per lb., spot.

Gum acacia, — Kordofan cleaned sor on the spot, is now 64s, 6d, per cw shipment, 61s., c.i.f. Bleached No. 1, 12s spot; to arrive, 115s., c.i.f. Talha, on sp 45s. per cwt.; shipment, 40s. per cwt., c.

HENBANE.—B.P herb (niger) on sp 4s. 3d. per lb. Egyptian (muticus) at orig is quoted at 95s. per cwt., c.i.f.

Henna.—Sudanese green leaves are fered at 85s. to 90s, per cwt., spot; origin, 85s. per cwt., c.i.f. Indian lew on spot, 80s. per cwt.; July-August, 65 c.i.f.; powder, 1s. 5d. per lb., spot.

IPECACUANHA.—Nicaraguan, on the sp is quoted at 23s, to 24s, per lb, for f.a. September-October shipment, 21s, per l c.i.f. Colombian 20s, per lb, spot 19s, 1 lb., c.i.f. Matto Grosso, 25s, per lb., c.

MENTHOL. — Steady. Brazilian on t spot is quoted at 62s, 6d., duty paid.

PIMENTO. — Spot quotations are fretionally dearer at from 1s. 2d. per lb.

Podophyllum. — Indian (emodi) is offer at from 310s. to 315s. per cwt., wharf, as to resin content; American (p tatum), 275s. per cwt., duty paid.

OUILLAIA.—Supplies are low. Natur bark on the spot is offering at 95s. 1 cwt.; cut bark, 125s. per cwt., crush 120s.

QUINCE SEED. — Cape on the spot steady at 3s, 6d. per lb.

thubarb.—Chinese common round, on sp.t, is quoted at from 5s. 3d. to 9d., according to fracture and holder. SEEDS. — Cyprus Anise is offered at is, per cwt.; Turkish is 140s, per cwt., y paid, and 135s, per cwt., in bond, all t London. Caraway.—Poten is of le interest at 10%. 6d. per cwt., duty d, spot London. Celery.—Indian is l quoted at 1s. per lb., spot London. RIANDER. — Morocco is 40s. per cwt., y paid, and 37s. 6d. per cwt., in bond -crop, for July shipment, is unchanged v-crop, for July shipment, is unchanged 34s, per cwt., c.i.f. London. Argentine s been reported soid at 24s. 6d. per cwt., y paid, in London. CuMin.—Cyprus is w quoted at 145s. per cwt., spot London; tian is unchanged at 150s, per cwt., h no interest shown. DILL.—Indian unchanged at 52s, per cwt., spot London in the contraction of the contracti Liverpool. FENNEL.—Indian is still oted at 70s. per cwt., spot London. NUGREEK.—Indian is firm. Sellers are rocco is now offered at 55s. per cwt., y paid, spot London.

SENEGA. — Spot quotations for old-crop at 6s. 6d. per lb.; new-crop, July-gust shipment, is offered at 5s. 9d., c.i.i. SHELLAC.—F.O.T.N., pure, is quoted at Js. per cwt. ex warehouse London; F.O. andard 1, 350s., buyers; fine orange,

s. to 400s, per cwt.

ткорнантния.—In short supply. Kombé,) per cent., on the spot, is quoted at s. 3d. to 12s. 6d. per lb.

PRAGACANTH. — Steady. Selected white bon, spot, is quoted at £90 per cwt.; er white grades, from £40 to £10; pale f, £33 to £35; amber flake, £20 to £25; l, £12; hoggy, about £5 to £9 per cwt.

CURMERIC.—Firm Spot quotations are 112s. 6d.; July-August shipment is quo-

at 106s. per cwt., c.i.f.

Waxes. — The markets, generally, are y steady. Dar-es-sanam dees on the t is unchanged at 335s, per cwt.; July-It is unchanged at 335s, per cwt.; Julygust shipment is dearer at 330s, ci.f. danese, in bond, is 310s.; for shipment, s., ci.f., quoted. Lindi is 330s, on the it; July-August shipment, 325s, per t., ci.f. Benguela is oftered at 305s, in d and 325s, per cwt., duty paid; for pment, 275s., ci.f. Candelilla.—Spot ers are at 287s, 6d.; there are no shipmt offers. Carnauba.—Prime yellow on it is 685s, per cwt.; shipment, 610s., f. Fatty grey is quoted at 445s, on it and 455s, ci.f., for July-August shipment. Chalky grey is still not offering ward; spot quotations are unchanged at ward; spot quotations are unchanged at Ds. per cwt. Montan.—Reibeck is offerat 190s. per cwt., spot; shipment, 180s.,

f. Ouricuri.—99.5 per cent. pare is peted at 420s, per cwt., c.i.f. A parcel of per cent. impurities is offered at 435s., Spermaceti.—Offered at 2s. 5d. per

on the spot.

Essential and Expressed Oils

ALMOND.—Sweet oil, B.P., is easier on the spot at from 3s, 6d, to 4s, 6d, per lb. Bitter oil is quoted at from 27s. 6d. to 60s. per lb., as to grade.

Cassia.—Difficult to find on the spot. prices are in the region of 15s. 6d. to 16s.; for shipment, 13s. per lb., c.i.f., quoted.

CASTOR OIL.-From July 4, the basic price of pharmaceutical quality is £116 per ton, naked, ex mill Hull. Prices of unrefined oils are: Firsts, £110; seconds, £103.

CITRONELLA. — Ceylon on the spot is now quoted at from 4s. 9d. per lb., July-August, 4s., c.i.f.

EUCALYPTUS.—Spot quotations for 70-75 per cent. (B.P.) are from 2s, 10d, to 3s, per lb, for drums and up to 3s, 6d, for smalls.

GERANIUM.—Bourbon on spot is offered at 56s, to 60s, per lb.; African is quoted at about 60s. per lb., spot.

around 8s. 6d. per lb.; July-August shipment, 7s. 11d., c.i.f.

Palmarosa.—Nominal spot quotation is 35s. per lb.; shipment, 32s. 6d. c.i.f.

Teaseed. — Spot quotations for refined oil are at 24s. 6d. per gall.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to grade, quantity and seller.

GERANIOL.—Ex Ceylon, 15s. to 23s.; ex Java, 23s. to 27s. 6d.; ex Palmarosa, 67s. 6d. to 75s. 233. to 278. od.; ex Palmarosa, 578. od. to 758. Geranyl Acetate.—Ex Java.—218. 6d. to 268. Heliotropine.—158. 6d. to 188. 6d. Hydroxy-citronellal.—Perfumers', 528. 6d. to 558.; for soaps, 428. 6d. to 458. Indole (per oz.).—108. to 158. Ionone.—100 per cent., 328. 6d. to 378. 6d. Isobutyl Acetate.—28. 6d. to 38. 6d. Isobutyl Benzoate.—68. 3d. to 78. 6d. Isobutyl Salicy-tyrical control of the c LATE.—5s. to 6s. 6d. Isoeugenol.—16s. to 19s. 6d.

LINALOL .- 28s. 6d. to 32s. LINALYL ACETATE.-31s. to 34s.

METHYL ACETOPHENONE.—12S. to 14S. METHYL ANTHRANILATE.—14s. to 15s. METHYL BENZOATE.-5s. 3d. to 7s. 6d. METHYL CINNAMATE.—11s. 6d. to 12s. 6d. Methyl phenylacetate.—6s. 6d. to 7s. 9d. Methyl ionone.—37s. 6d. to 40s. Methyl PHENYL CARBINYL ACETATE.—118. MUSK AMBRETTE. —45s. to 55s. Musk ketone.—40s. Musk xylol.—7s. 6d. to 9s. Mustard oil (artificial).—16s. 6d. to 18s. 6d.

NEROLIN BROMELIA.—14s. to 15s. 6d. NEROLIN YARA YARA.—9s. to 15s. 6d. PARACRESYL ACETATE.— 8s. 6d. to 9s. 6d. Paracresyl phenylacetate.—9s. to 12s. 6d. Phenylacetaldehyde.—6os. to PHENYLACETIC ACID.—Upwards from 5s. 6d. 65s. 6s. 6d. PHENYLETHYL ALCOHOL,—21s. 6d. PHENYLPROPYL ALCOHOL, -258.

RHODINOL.—150s. SAFROLE.—7s. to 10s. SAN-TALOL.—100s, to 120s. STYROLYLENE ACETATE.—11s. to 14s. Terpineol.—Perfumers', 2s. 9d. to 3s. Terpinyl acetate.—5s. 9d. to 7s. 6d. Vetiverol.— 180 VETIVERYL ACETATE. -210S.

HERB CROP REPORTS

W. J. Bush & Co., Ltd .- The appearance of the Peppermint crop at present is very good, but rain is badly needed and young plants are suffering. The prospects of the crop for this year are good. LAVEN-DER.—Very little will be harvested and this will be sold mainly as flowers. The appearance of the crop is good and rain will improve it. Chamomile.—The acreage of the crop is very small but it is looking well.

William Ransom & Son, Ltd .- Weather conditions have been almost ideal for our medicinal plants. A mild winter followed by adequate rainfall during May and early June has helped the crops. Bella-DONNA.-We have a large acreage under cultivation and are now harvesting an excellent crop. Owing to the recent hot, dry spell it is ripening very quickly and we may have difficulty in drying our whole crop. This year's sowing germinated very well but now requires rain. Broom Tops. —We have collected sufficient tops this year to meet any reasonable demand. BUCKTHORN BERRIES.—The crop will be collected as usual in the autumn and we hope to be in a position to meet the demands of all our customers. CHAMOMILE.-A light crop this year but it may yield well; weather conditions are now perfect. COLCHICUM.—We have a small plantation but the demand for British-grown corms and seed is negligible owing to cheaper offers from the Continent. Dandelion Root.—Collection begins in August, but unless weather conditions alter there will be difficulty in obtaining supplies. Digitalis.—A small crop. We hold good stocks of powdered (B.P.) leaf. Elder Flowers. —We have gathered a good crop. Demand is increasing for the preparations made from these flowers. Hemlock. made from these flowers. There is only a small demand for this herb and we hold adequate stocks. HENBANE.-A poor second year plantation. We are just beginning to cut an excellent crop of first-year plants. LAVENDER.—We have several plantations, the youngest of which are growing well. Present weather conditions are ideal for this crop. We have increased our acreage again and expect a good yield of oil. LETTUCE.-We have an average crop now in flower. PEPPERMINT. -It is rather early to give an opinion but this year plantations have made good growth. Rainfall now would be a great help. POPPY PETALS.—Supplies appear to be plentiful.

TRADE MARKS

(From the "Trade Marks Journal," June 29)

For all goods, excluding devices applying anæsthetics (10).—Circle dev including the words KAYLENE BRAN TERRA SIGILLATA, and device of seal;

Kaylene, Ltd., London, N.W.2; 673,228
For surgical instruments (10). — "D PANTOM"; by New Electronic Producted, London, W.1; 674,879.

For surgical appliances for the feet (1

-"Sanaped"; by Orthopædic Footwe Co., London, W.1; 674,996. For teats and baby soothers (10). "Wellborn"; by Cannon Rubber Mar facturers, Ltd., London, N.17; 675,40

For medical, dental and surgical appa tus and instruments (10).—"DEVANAEST by the British Oxygen Co., Ltd., Londo

W.1; 675,634.

For combs (21).—" LA FLECHE D'OI
by Raymond, London, W.1; 670,580.

(From the "Trade Marks Journal," July For industrial chemicals and adhesi (1).—"REDOZENE"; by Redozene P ducts, Ltd., London, W.10; 669,411.

For industrial adhesives (1). - "Box VAR"; by Pinchin, Johnson & Associat Ltd., London, S.W.1; 673,046.

For agricultural and industrial cher cals (1).—"TRELCO"; by Fredk. Tyrrell Co., Bolton; 675,224.

For pharmaceutical substances, and fants' and invalids' foods (5). — "Toi STASIN"; by Roche Products, Ltd., W wyn Garden City; 674,772.

For lipsticks (3).—" CLAIRE SAINT-JE 3 ROUGES EN UN SEUL BATON" in distir tive lettering; by Laboratoires Clair Sai Jean, Paris; B661,484.

For non-medicated toilet preparation (3).—"FLEUR DE FEU"; by Guerlain, Lt Perivale; B672,025. "SECRET WEAPOI by Gorney, Ltd., Manchester; 675,6: "VASELINE BRAND HAND CREAM" and vice of hand holding flowers; by Che brough Manufacturing Co., Ltd., London N.W.10; 673,391.

For non-medicated face cream for m (3).—"Shadow Proof" in distinctive l tering; by Shadow Proof, Inc., Bosto B672,661.

For veterinary preparations, insecticid etc. (5).—"COOPERTOX" and "COOPANE by Cooper, McDougall & Robertson, Lt Berkhamsted; 672,167-68.

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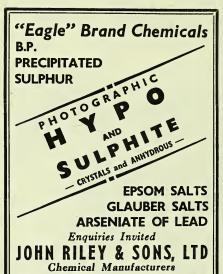
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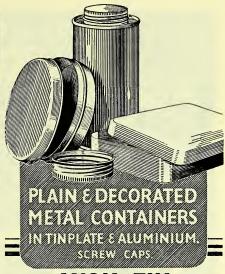
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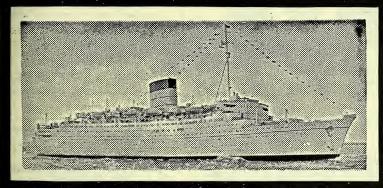
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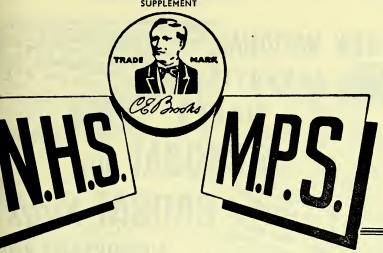
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The new lipstick technique with many imitators but <u>NO</u> equals

Lip Line is your big-business-bringer because . . .

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- It has practical interchangeable refills
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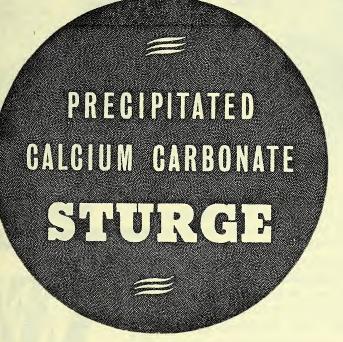
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1" x 5 yard spools... Retail 2/- each2" x 5 yard spools... Retail 3/6 each

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The sort of hay we mean is extra ts and you can make them while the shines!

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Safety in use, even in doses largely in excess of therapeutic requirements
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No after effects
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Retail Sizes 18/6 and 30/- per dozen (plus 33 % tax) retailing at 3/- and 5/- each

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A product of Vine's Biocrin Ltd., London, W.2.



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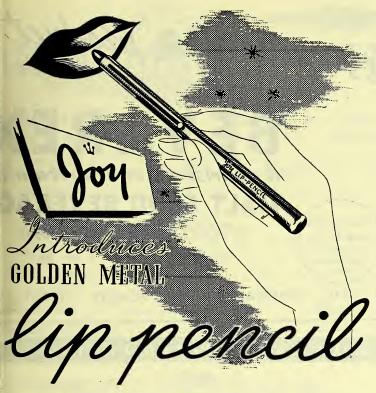


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AMHERST 564



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NATIONAL ADVERTISING is commencing as nation-wide distribution nears completion.

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Obtainable from all Wholesalers and Chemist Sundriesmen



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6						Prices	Per unit		Per dozen	
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MENT	4 oz.	tube	•••	•••		7/5	4/21	+ 1/5		16/10
	40 gr.		•••	•••	•••	3/8 <u>1</u> 2/I	2/1½ 1/2	+ 8½ + 5		8/5 4/8
Ь	20 gr.	, , bott	 e	•••	•••	3/81	2/11	+ 81		
3										14 = 1
HALM	O-ANT	IPEO	L						* *	7 *
Nozzled	Tube	•••	•••	•••	•••		2/11	+ 81		
••	**	•••	•••	•••	•••	1/9	1/-	+ 4	11/11 -	- 4/-
O-ANT	IDEOI					,				
						2.0		+ 7	21/- 4	7/-
Nozzled	lube	•••	•••	•••	•••	3/I 1/9	1/9	+ 7 + 4	11/11 -	
ROFAC	205									1 1
50 amp						19/-	13/34	None	159/7	None
10	"	•••		•••		4/3	3/-	None	35/8	None
5	••	•••	•••	•••	•••	2/6	1/9	None	21/-	None
NSYL				. *	m					
500 tabl	ate					43/-	24/-	+ 8/	- 288/- ⊣	- 96/-
	,	•••	•••	•••	•••	4'	2/81	+ 1		- 10/10
1					= .*	1			į.	
AMES'	BALM							-		
approx			•••	•••		1 1 /7	1/11	+ 7		
п	l oz.	•••	•••	•••	•••	. 1/7	11	+ 4	11/3 -	- 3/9

Carriage paid on all orders of I dozen or £1 and over.
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Range of Chemists Sundrie

6 on card

10/- per care

Jaynox Cuticle Scissors

(3 bent-3 straight)

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Mention is being made of this booklet in our National Advertising and readers are invited to ask their chemist for a copy. Make sure you have a supply of these booklets on hand.

If you require one of these Curicones booklets at short notice to comply with a request from a customer, please take one from a CURICONES CARTON.



Weather - Indicating Novelty Showcards

Size 8 × 12 (approx.) Printed in bright, attractive colours. An excellent novelty and surprisingly accurate. So simply send us your name and address to obtain one.

P.A.T.A





Stephen Matthews & Co. Ltd., 19/21 Farringdon St., E.C.4

Semprolia D. D. T. HAIR EMULSION new formula



Emulsion, conta D.D.T. as the ingredient, for control of head Pleasantly per and simple to use. perfi Apply by massaging the scalp. No comb required except for the moval of dead lice. I ment individual application drachms only.
List price 8/- (plus
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What YOU can do!

The National Welfare Foods Scheme is driving home to your customers, and to the rising generation, the food value of Cod Liver Oil. It is overcoming the old prejudice. It is building up for you a new and ever-widening adult and child market. There is a rising tide in public interest, and SevenSeaS advertising in press and cinema will be increased to help you. The opportunity is there—today! A really striking display will turn this growing interest into bigger sales. Write today for special window display material and showcard.

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British Cod Liver Oils (Hull & Grimsby) Ltd., St. Andrew's Dock, Hull

NOW IN FULL SUPPL

THERE is no further need for us to ration chemists' supplies of Radian β —the liniment with a difference—because restrictions on essential materials have eased. You can now order your supplies of Radian β and be sure of prompt delivery. If you have not done so already, send for the attractive "sell-on-sight" display material and particulars of our extremely generous trade terms.

★ Brings pain-easing ASPIRIN direct to bruise or sprain—swiftly relieves rheumatic aches and joint pains—is non-oily and non-staining—makes an effective inhalant and alleviates insect bites immediately and effectively.

Radian β can now be supplied in bulk (1 lb. size and 5 lb. Winchesters) for dispensing purposes, free of purchase tax.

Professional sample and literature on request.



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This product like all other "Broparco" preparations is of the highest uniform standard of quality and value. All our goods are manufactured under the personal supervision of qualified Chemists.

Arctic Glow in two sizes—2-oz. screw-capped jars and 1-oz. collapsible tubes.

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For use in Treatment
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CONGESTION and

The Pure Crystalline Alkaloid for securing Muscular Relaxation in Surgical Operations and Shock Therapy.

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EPSODENT s a straight story

ntifrice can accomplish

ent to which a dentifrice can cleanse sh the teeth is the only real measure sefulness. The power of Pepsodent ste to do this job is second to none, for ith the finest polishing agents obtain-Pepsodent's exclusive Irium (a brand of the purified sodium alkyl sulphate), one of st effective cleansers known to dental

othpaste retard tooth decay?

e psodent Company holds that a first-class neehas one major function in the prevention the decay — to keep tooth enamel free from the ious film. Laboratory tests over many years woved Irium to be unsurpassed in its power en surface debris and emulsify mucous film.

is front-line protection, because if tooth is preserved from the action of the destruccteria flourishing in film, the life of the teeth prolonged.

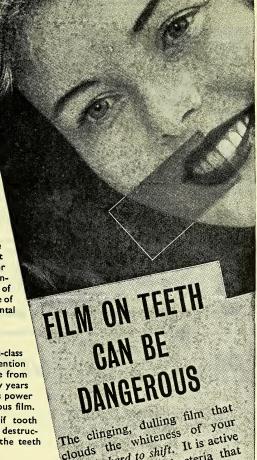
ved product—backed by ful advertising

ent's straight, sensible, and scientifically proved making a strong appeal to the public. Sales all over the country in consequence. To display ent is to sell Pepsodent! And don't forget, ent's favourable terms mean generous profits!

II: IRIUM IN **Pepsodent**FIGHTS FILM

indard Size 1/4

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The clinging, dulling film that clouds the whiteness of your smile is hard to shift. It is active with acid-forming bacteria that with acid-forming bacteria tooth-enamel. It left, film can form damaging tartar that only your dentist can tartar that only your dentist can remove. Mere scrubbing will not deal with it effectively.

TWO-FOLD ACTION
Pepsodent's exclusive Irium emu
sifies and washes away stubbo
sifies and washes away stubbo
film, uncovers the clean enam
then Pepsodent's wonders
age, sure, polishing a

F-956-100

A Pharmacertical Achievement



A product of WESTMINSTER LABORATORIES LTD. (inc. P. Tax) and Dispensing Packs Chalcot Road, London, N.W.I. of 125 and 500 Tablets.

ASPIRIN THERAPY BROUGHT TO PERFECTION

CRUNCH THOROUGHLY AND EAT LIKE A SWEE

No water required

- Quicker absorption more effective : n
- No gastric disturbance.
- Fully protected against deterioration.

MAGSILATE is a CF product, sold through c w only. Terms are profitable. Attractive showca in formative literature and free samples supplie it

Supplied in two sizes:-4d. & 1/10d.

Propit and Lustreet -Profit for you, from a particularly

good line that displays well and is selling well. We are giving this setting cream immediate advertising in the National Press, so make sure the pack gets a display in your shop.

Lustrset' ensures easy, lasting setting after shampooing, rinse or 'perm'-prevents dryness or dandruff and leaves hair firm and glossy.

If you are not already a 'Lustrset' stockist send for fuller particulars NOW. People will be asking you for 'Lustrset'-as advertised.

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Do COLDS take a holiday in Summer?...

that they don't. For England's unpredictable and flighty climate is a fun-fair for colds. Anticipate this season's demand by having plenty of Serocalcin in stock. Your customers will ask for Serocalcin because they know its value as a quick and efficient treatment for colds. Three tablets taken three times daily, in the early stages of a cold, often clear up the attack in 48 hours.

Pharmacists are reminded that the sole selling agents for Serocalcin in the U.K. are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.

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HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2

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IRELAND-BUSINESS TRANSFERS. We have established a department dealing exclusively with business transfers in Ireland. Our register of prospective purchasers ensures early and advantageous introductions and our experience can save you worry and loss. Our advice is freely available to any Pharmacist wishing to dispose of his business by reason of retirement or for any other cause.

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FORD (½-mile from centre on main road).

If drug stores with good medical appliance and established 27 years. Lock-up shop with storeroom and cellar. Low rental. Stock, s, and valuable trade—£1,500. Box 6/489.

4IST BUSINESS near busy East London mar-in same hands over 40 years. Owner retiring, panel, Kodak and Selo agencies. Well, living accommodation, low rent, lease. Most lent profitable concern. Genuine bargain for sale. Opportunity of a lifetime. Letters to sale. Opportunity of a lifetime. Letter 11 Parkside Drive, Edgware, Middx.

ENSING CHEMISTS. Main road. Leasehold ears at £8 10s. p.a. G.R. Trade £68 per Good living accommodation, Fully fur-d. Very good scope. Price £3,500 s.a.v. Swait, Ltd., 34 The Mall, Ealing 2866.

G STORES S.E.1, lock-up shop fitted as ust's, three doctors near. Main road, working district, average takings £80 per week, mtant's figures, rent 30/- per week plus rates, £1,200, fittings and goodwill, inclusive price 00. Box 6/481.

APPOINTMENTS

2/6 per line (12 lines = 1".) Box 2/-

HILL END HOSPITAL & CLINIC. ST. ALBANS, HERTS

PHARMACIST (locum tenens), male or female, for 9 weeks from the beginning of July. Salary 10 guineas per week. Apply, stating full particulars of experience, to Medical Superintendent, Hill End Hospital & Clinic, St. Albans, Herts.

WEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE

FOREST GATE HOSPITAL, LONDON,

E.7. LOCUM NON-RESIDENT LOCUM ASSISTA ASSISTANT Forest Gate Hospital for an indefinite period. Hours of duty, 9 a.m. to 5 p.m. Half day per week from 1 p.m. No Sunday duty. Salary up to £11 11s. per week, according to experience.

Applications, stating age, qualifications, experience, and names of two referees, should be sent to the Medical Superintendent, Forest Gate Hospital, London, E.7.

The Bridge Walsall, nr. Birmingham Phone: Walsall 5948

28 Rigby Buildings, 4 Aytoun St. Manchester I Phone: Central 0877

141 Bath St., Glasgow Phone: Douglas 3168

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BUSINESSES FOR DISPOSAL

A.1. London Area. Three very profitable photographic businesses are offered for sale by private living accommodation, is also for sale. The pnegotiation; the combined net profit for 1948-49 of the business and property is a matter amounted to nearly £4,000; the shops can be acquired jointly or separately, preferably the former; capital requirements will approximate A.4. Somerset (Important Town). Very c £15,000. The businesses are all conducted under established pharmacy with good living accommodation, is also for sale. The post of the business and property is a matter negotiation, and the Vendor will consider alk acquired profits and the vendor will consider alk acquired profits and the vendor will be acquired to the vendor with good living accommodation, is also for sale. The profits and property is a matter negotiation, and the Vendor will consider alk acquired profits and profi management and are fully staffed; where necessary, we have been asked to obtain bankers' references or other assurance of financial standing. A.2. Essex (Good-class Seaside Resort). Well-positioned and elegantly-fitted pharmacy with spacious living accommodation (4 bedrooms) and garage; turnover approximately £7,000 per ann.; good lease at moderate rental; scope for further development. Price, £3,000, plus stock and fixtures at valuation, but near offer will be considered as the owner is taking control of two substantial London businesses and wishes to sell as quickly as possible.

A3. Suffolk. Country village business of the mixed type for disposal owing to retirement. Turnover for last financial year exceeded £7,700, and scope should exist for further development.

Ing part to stand over for an agreed period.

A.4. Somerset (Important Town). Very cestablished pharmacy with good living accomn dation. Turnover for current year estimated exceed £4,000, and scope should exist for I ther appreciable development. A new 21-y lease has recently been granted at a model rental. Total price, £2,300, including stock i fixtures estimated at £1,500.

A.5. West End. Very old-established and w known pharmacy of the ethical type offer abundant scope and opportunities for devel ment. Turnover now averaging at the rate approx. £180 per wk.; price, £3,500, plus s. (estimated at £2,000).

A.6. Finchley Area. Family suburban busin Turnover for 1948-49, £4,130; previous months, £5,763. Lock-up shop, etc. Rent, £ Total price about £3,120, but reasonable o considered as quick sale desired.

OFFICIAL VALUERS TO THE N.P.U. BUSINESS PURCHASE FUND

Appointments—Continued

HAYMEADS HOSPITAL, **BISHOP'S STORTFORD**

Applications are invited for the post of ASSISTANT PHARMACIST at the above Hospital, Salary and conditions of service according to J.N.C. Scale. Work is of an interesting nature and in a modern department. Temporary accommodation could be arranged for low phermatic Applications. for lady pharmacist. Applications, stating age, qualifications and experience, should be sent to the Surgeon-Superintendent of the Hospital.

> HAYMEADS HOSPITAL, **BISHOP'S STORTFORD**

Locum Pharmacist required at the above Hospital for period August 22 to September 3, inclusive, Salary £10 i0s. per week. Temporary accommodation could be arranged for lady pharmacist. Applications, stating age, qualifications and experience, should be sent to the Surgeon-Superintendent of the Hospital.

NORTH MIDDLESEX HOSPITAL, **EDMONTON, N.18**

ASSISTANT IN DISPENSING. Applications invited. Candidates must hold Apothecaries' Hall Certificate. Salary according to recognised scale. Applications, giving details of training and experience, together with copies of recent testimonials, should be sent to the Secretary, as soon as possible.

KING'S COLLEGE HOSPITAL GROI **DENMARK HILL, S.E.5**

A LOCUM ASSISTANT PHARMACIST quired for about three months. Salary £10 per week. Apply to the Pharmacist.

KING'S COLLEGE HOSPITAL GROU **DENMARK HILL, S.E.5** ASSISTANT PHARMACIST

Applications are invited for the above palary and hours in accordance with J. scale. The appointment is subject to passimedical examination. Apply, giving detail age and experience to the Pharmacist at all address. address.

ST. GEORGE'S HOSPITAL, HYDE PARK CORNER, S.W.1

Require Assistant Pharmacist. J.N.C. of pay. of pay. Applications with copies of monials to Chief Pharmacist.

CONNAUGHT HOSPITAL,

WALTHAMSTOW, E.17 LOCUM PHARMACIST required from 24th September, 1949. Salary £11 11s. 1 Resident or non-resident. If resident, a det tion at the rate of £130 p.a. Applications, stating age, experience, names of two referees, should be sent to Secretary, Hospital Management Commit Forest Group No. 11, Administrative Offi Langthorne Rd., Leytonstone, E.11. VEST HAM GROUP HOSPITAL

VEST HAM GROUP HOSPITAL MANAGEMENT COMMITTEE EST GATE HOSPITAL, LONDON, E.7. hications are invited for the appointment SISTANT PHARMACIST at Forest Gate tal, London, E.7. Whole-time; hours of 39 per week; no Sunday duty, Salary in fance with J.N.C. (Hospital Staffs), £370, rising by four annual increments 15, and one of £20, to a maximum of per annum. Experience will be taken account in determining the commencing within the authorised scale. Newlyied pharmacists considered. Housing indications, stating age, qualifications, excee, and names of two referees, should to the Medical Superintendent, Forest Hospital, London, E.7.

EN MARY'S HOSPITAL FOR THE EAST END

WEST HAM GROUP No. 9
STRATFORD, LONDON, E.15.
lications are invited for the post of OR ASSISTANT PHARMACIST for at Queen Mary's and Plaistow Hossalary in accordance with J.N.C. ital Staffs) Scale, viz., £415, rising to per annum by annual increments of The post is subject to the provisions of Vational Health Service (Superannuation) lations, 1947.

lations, 1947. bications are invited for the post of STANT PHARMACIST. Commencing depending on experience and in accord-with the J.N.C. (Hospital Staffs) Scale.

with the J.N.C. (Hospital Staffs) Scale.

ous hospital experience not essential.

s, 9 a.m. to 5 p.m. Saturday, 9 a.m. to

a. No Sunday or late duties.

plications, giving full details of age, qualions and experience, together with copies.

ferences, in respect of these two vacanshould be addressed to the Chief Phartt, to be forwarded not later than August

19.

UM PHARMACISTS required for 10 weeks commencing immediately, at RKING AND REDHILL COUNTY

HOSPITALS

y £10 10s, per week. ply to Secretary, Room 45, Redhill Group ital Management Committee, at Redhill ty Hospital, Earlswood Common, Redhill,

OUTH EAST ESSEX HOSPITAL MANAGEMENT COMMITTEE

polications are invited from qualified in for the post of pharmacist for the p, with specific duties for Thurrock and Andrew's Hospitals (total beddage 641) relief duties at other hospitals as required. y in accordance with J.N.C. Scales. e position is subject to the National Health lice (Superannuation) Regulations and the mappointed will be required to pass a real examination.

cal examination.

polications stating age, qualifications and rience, together with the names of two ees to be forwarded to the undersigned in 14 days of the appearance of this rtisement.

E. E. TAYLOR,
Secretary,
Thurrock Hospital,
Stifford Long Lane,
Grays.

Grays.

THE HOSPITALS FOR DISEASES OF

THE CHEST
THE LONDON CHEST HOSPITAL,
VICTORIA PARK, E.2.
LOCUM PHARMACIST IN CHARGE required from Monday, 29th August, to Saturday, September 10, inclusive. There is one assistant. Salary £10 10s. per week, with lunch and tea. Apply with full particulars to the Secretary. the Secretary.

HOSPITALS FOR DISEASES OF THE CHEST

The London Chest Hospital invites applications for the post of SENIOR ASSISTANT PHARMACIST with charge of the Sterilising Department. J.N.C. salary scale with the range of \$\frac{2}{2}415-\frac{2}{2}490. Applications, with copies of testimonials, to be sent to the Secretary, London Chest Hospital, Victoria Park, E.2.

BOLTON AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE **BOLTON ROYAL INFIRMARY**

Applications, are invited from duly qualified members of the Pharmaceutical Society for the appointment of ASSISTANT PHARMACIST at a salary of £370, rising to £450 per annum, in accordance with the scales of the Joint Negotiating Committee for Hospital Staffs. Applications, stating age, qualifications, previous experience, and giving two names for reference, should be forwarded to the undersigned at the Royal Infirmary, Bolton.

H. P. TRAVIS, Secretary.

BRITISH ELECTRICITY AUTHORITY EAST MIDLANDS DIVISION CHEMIST-SPONDON

Applications are invited for the position of Station Chemist at Spondon Generating Station, Derby.

Applicants should preferably be qualified Chemists (or with Higher National Certificate) with a knowledge of sampling analysis and test-

ing of coal, water and oil.

The salary will be in accordance with Class
"K" Grade 8 of the National Joint Board

Schedule. This post will be subject to the British Electricity Authority's Superannuation Scheme when constituted.

Applications must be submitted on the official form which may be obtained from the Divisional Establishments Officer, British Electricity House, Barker Gate, Nottingham, and should be returned not later than July 21, 1949.

W. S. BURGE, Divisional Controller.

British Electricity House, Barker Gate, Nottingham.

THE LONDON CLINIC,

149 HARLEY STREET, LONDON, W.1.
ASSISTANT PHARMACIST. Immediate vacancy. Hospital experience not essential. Salary in accordance with J.N.C. Scale.

RESIDENT PHARMACIST (female) required, For part-time evening work and on call duties. Salary in accordance with J.N.C. Scale plus residential emoluments.

Applications, stating age and experience, should be sent to the CHIEF PHARMACIST.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

A VACANCY occurs for chemist to act as branch manager with the York Co-operative Chemists' Society, Ltd. No half-day, Sunday, or late rota duties. There is a further vacancy for chemist to act as assistant at the Society's Central Pharager. to act as assistant at the Society's Central Pharmacy. Excellent opportunity to gain experience in busy pharmacy, with good prospects of promotion. Close 5 p.m. Rota duties 6 to 7 p.m., one week in eight. Wages in excess of scale, with house or flat immediately available to appointed applicant in both instances. Applications, giving full details of experience to General Manager, York Co-operative Society, Ltd., 22 Railway St., York. York.

York.

BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £10 5s. to £11 5s. Metropolitan District £9 17s. 6d. to £10 17s. 6d. Provinces £9 10s. to £10 10s. (Female Central London £9 15s. to £10 15s. Metropolitan District £9 7s. 6d. to £10 7s. 6d. Provinces £9 to £10, according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurance, etc. There are also a number of vacancies for unqualified assistants with sound of vacancies for unqualified assistants with sound pharmaceutical experience. Good remuneration with a view to permanency. Pension scheme, etc. Applications should be made to Retail Staff Department, Station St., Nottingham, stating age, experience, and district preferred.

ence, and district preferred.

BRIGHTON. Unusual opportunity occurs for experienced lady assistant able to take responsibility and to build up sales, particularly on cosmetic counter. Display work an advantage. Modern pharmacy. Please give full particulars of age, experience, etc., to Box 6/479.

experience, etc., to Box 6/479.

CHEMIST OPTICIAN on C.P.C, list as manager of optical department. Scope for advancement, Salary

optical department. Scope for advancement. Salary and commission. State age, experience, approximate salary required, to Secretary, Brady & Martin, Ltd., 29 Mosley St., Newcastle-on-Tyne. CHOICE OF SUITABLE ACCOMMODATION (if required) on appointment. Qualified persons, male and female, are required to manage attractive Pharmacies in south-east and south-west districts of London. Positions are available offering salary from £550 to £650 per annum, plus generous commission. Engagements are permanent and progressive and include entry into superannuation scheme. Apply, giving full particulars to the Staff Manager, Royal Arsenal Co-operative Chemists, Etd.. 113 Powis St., Woolwich, S.E.18.
COVENTRY. Attractive vacancy for single, young

COVENTRY. Attractive vacancy for single, young pharmacist, about 25 years, in good-sized private pharmacy with vigorous dispensing and counter. Good staff, congenial conditions, salary £624 p.a., with additional generous pay for rota. Retirement of proprietor, very near future, should lead to advancement or directorship for good man. Prospects of unfurnished house, later. Interview expenses paid. Full particulars first letter to Box 6/488.

DISPENSER—male or female—wanted, preferably Hall. Good salary according to experience. Apply:—Lloyd, Chemist, 133 Percy Rd., Whitton, Middx.

EASTBOURNE. Qualified manager required for small branch pharmacy. Apply to: H. R. Browne (Chemists), Ltd., 44 Cornfield Rd., Eastbourne.

FULLY QUALIFIED OPTICIAN required to man optical department. Full particulars, giving a salary and experience to Ilkeston Co-operative ciety, Ltd., 12 South St., Ilkeston, Derbys.

GOLDTHORPES (CHEMISTS), LTD. will sho have a vacancy for a manager to take charge i branch in London, S.W.6. No living accomdation at present. Good bonus and commiss dation at present. Good bonus and commis will be paid and every help given to man w personality and initiative. 312 London Rd., No Cheam, Surrey. Derwent 2804.

HERBALIST AND DIETICIAN wanted for reherbal department. Good prospects. Write particulars to the Principal, Messrs. Lusty's, London Rd., Westcliff-on-Sea.

LADY experienced for chemist's counter So London. Progressive post for willing worl Apply Box A/276.

LEEDS Industrial Co-operative Society, Ltd., quire a qualified chemist to manage suburbranch pharmacy with average weekly takings £200, and employing five staff and with reas able amount of interesting dispensing. Appli tions will only be considered from persons wadequate previous managerial experience. Comensurate wages will be paid. Apply Superint dent Chemist, Pharmacy Department, 6 Alb

St., Leeds, 1.

LONDON Co-operative Chemists, Limited, in applications from experienced pharmacists branch managerial vacancies in pleasant suburl areas. Modern, well-equipped shops with go supporting staffs, attractive salary, generous or mission on dispensing, with payment for all r duties. Positions permanent and superannual with excellent proportion, prospects. Chaire Chaire. excellent promotion prospects. Choice accommodation, house or flat, where with excellent promotion prospects. living quired. Full particulars as to experience, wa required, etc., to Superintendent Chemist, Gran Rd., Leyton, E.10.

LONDON. City pharmacy. Required a you qualified assistant. Permanent position. Good-cl business. Early closing Saturday. No Sunday du Write, stating age, experience, and salary require B. Hooper & Co., 6 Railway Place, Fenchus St. F.C.3 St., E.C.3.

MANAGER required for provincial country tow living accommodation available. Old-establish business situated in pleasant locality. Congen working conditions. Box A/288.

MANAGER, qualified male or female, for dr and photographic department in store; 41-ho week; permanency; attractive work; congenial co ditions. Applications, stating age, experience, a salary required to Manager, Jarrold & Sons, Lte London St., Norwich.

MANCHESTER (Southern suburb). Pharmacist (la or gentleman) required for an old-fashioned bu ness with good-class dispensing. Permanent, co genial position for suitable person. No Sunday extra duties. In reply please state full particular including salary required, to Box 6/480.

MANCHESTER DISTRICT. Pendleton Co-operatives of the property of the pr

Society, pharmacist branch manager require (either sex). Permanency, Superannuation schem Modern pharmacy. Unfurnished accommodatic available. Please state age, experience and sala required. Apply, the Secretary, 3 Mill Stree Salford,

Sallord, b.
QUALIFIED CHEMIST, branch manager or mangeress, required by the St. Helens Industrial Go
operative Society, Ltd. Newly opened shop wit
ample scope for trade development. Application
giving full details of qualifications, experience an
salary required. to Managing Secretary, 15 Bale
win St., St. Helens. House available shortly.

Situations Open—Continued

ried (MARRIED) ASSISTANT required. mainly dispensing (permanency). House e, rent and rates free. Please state full ars. Fred Hill, Werneth Lodge, 26 Brom-Worceste

iteD PHARMACIST required for branch by Flat available. Apply, giving par-including salary required to Norwich Co-e Society, Ltd., Chemist's Dept., 51 St. s St., Norwich.

e Society, Ltd., Chemist's Dept., 51 St. s St., Norwich.

*IED CHEMIST required. Permanency. Lady. State salary, etc., Sidney H. Blunt, Ltd., desley Green, Birmingham, 9.

*IED MANAGER required for branch pharalary, £10 per week, and commission on I Health dispensing (minimum £1). Superm scheme. Apply, stating age and experion Kidderminster Co-operative Chemists, vorcester St., Kidderminster.

Pharmacist required, half-day per week, charge of easily run modern pharmacy, ired but still active man, possibly some other y arrangement. Goldthorpes (Chemists), Br. West St., Brighton, 1. Brighton 7798.

**LIFIED assistant wanted for West-endry, Counter work only. Hours 9 to 6. day or Sunday duties. Usual half-day off.

day or Sunday

107.

LIFIED assistant (lady or gentleman) reor dispensing in busy pharmacy. Excellent
conditions. Apply, with particulars of
ce and calary required, to O. L. CarringLondon Rd., Croydon.

LIFIED ASSISTANT, experienced, required

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LIFIED ASSISTANT, experienced, required tely (male or female) for dispensary. Higharmacy. Good salary. Permanency. Chave on, Ltd., Hereford.

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